

Science and Math: Tools for the 21st Century - November 2-4, 2009



Conference Registration Form

Shreveport, Louisiana
November 2-4, 2009



First Name _____

Last Name _____

Preferred Mailing Address Home _____ Work _____

Address _____

City/State/Zip _____

Phone _____

School Name _____

Grade Level Preschool-(Below 1st) Elementary-(1st-4th) Middle-(5th-8th) High-(9th-12th) College Other

District _____

Agency _____

E-mail Address _____

(E-mail address required. Confirmation of registration will be e-mailed.)

Registration Fees:

Monday November 2 nd Extended Session/Field Trip Fee (3 Hours) *	\$15.00	
Monday November 2 nd Extended Session/Field Trip Fee (6 Hours) *	\$30.00	
Pre-Registration (Postmark by September 15, 2009)	\$60.00	
Early Bird Registration (Postmark by September 30, 2009)	\$75.00	
Full time, Non-Teaching Student Registration (by September 30, 2009)	\$30.00	
Onsite Registration	\$100.00	
Onsite Full time, Non-Teaching Student Registration	\$35.00	
Sci-Port Exploration (Tuesday, November 3 rd , 5:00 - 6:30 pm)	\$10.00	
LATM/LSTA Awards Banquet (Tuesday, November 3, 2009, 7 - 9 pm)	\$30.00	
Wednesday Only Pre-Registration (Postmark by Sept. 15, 2009)	\$30.00	
Wednesday Only Early Registration (Postmark by Sept. 30, 2009)	\$35.00	
Wednesday Only Onsite Registration	\$40.00	
Total		
Special assistance request must be received by received by Sept. 30, 2009.		
Please check if you are willing to serve as a Session Presider. _____ Tuesday _____ Wednesday		

* An Extended Session/Field Trip Selection form must also be submitted.

Make checks payable to: LATM/LSTA Professional Development 2009

Mail to: Paul Johnson, P. O. Box 5097, Houma LA 70361

Exhibits will be open Monday, November 2, from 5 - 8 pm, Tuesday, November 3, from 8 am - 4:30 pm, and Wednesday, November 4, from 8 am - 12 pm.

Science and Math: Tools for the 21st Century - November 2, 2009

**Extended Session/Field Trip Registration Form
Shreveport, Louisiana
Monday, November 2, 2009**

Last Name _____ First Name _____

Address _____ City _____ Zip _____

Phone (H) _____ Phone (W) _____

(Phone numbers are required for contact in the event alternate selections are needed.)

E-mail addresses _____

(E-mail address required. Confirmation for extended session/field trips registration will be e-mailed.)

Monday, November 2, 2009 Registration Fees

\$15.00 per 3-Hour Session

\$30.00 per 6-Hour Session

**PARTICIPANTS FOR EXTENDED SESSIONS/FIELD TRIPS MUST
ALSO REGISTER FOR THE MATH SCIENCE CONFERENCE. ENCLOSE
THIS FORM WITH YOUR CONFERENCE REGISTRATION**

Please indicate your extended session/field trip(s) preferences below. Every effort will be made to honor your first choice. Register early to improve the chances of securing your first choice. There is a 20 person maximum for some extended sessions. An extended session must have at least ten participants to be held.

	1 st Choice	2 nd Choice	3 rd Choice
Session/Field Trip Number(s) (AM-3hr)	_____	_____	_____
Session/Field Trip Number(s) (PM-3hr)	_____	_____	_____
Session/Field Trip Number (6 hr)	_____	_____	_____

Confirmation of registration in extended session/field trip(s) will be sent by e-mail the week of October 19, 2009.

Make checks payable to: **LATM/LSTA Professional Development 2009**
Mail with conference registration to: **Paul Johnson**
2009 Joint Conference Registration
P.O. Box 5097
Houma, LA 70361

**REGISTRATION FOR EXTENDED SESSIONS/FIELD TRIPS MUST BE POSTMARKED
BY SEPTEMBER 30, 2009.**

Extended Sessions/Field Trip Offerings – Monday, November 2, 2009

Things to Remember When Registering for Extended Sessions

Extended sessions require pre-registration, and it is critical to planning that you complete the registration form. Please print all information since the primary form of communication to all participants will be by e-mail. Provide an e-mail address that is current. Confirmation e-mails will be sent out in early October. Please check your e-mail often. Also check spam mail as some systems do not recognize the address of the sender as a valid e-mail address or the system administrators have placed a block on many senders. If you have not received a confirmation email by October 25, 2009, contact Pamela Martin at pmartin@ulm.edu.

There is a \$15 charge for each extended session; a \$30 charge for the all day session. Extended Session participants, must also register for the 2009 LATM/LSTA Joint Conference. Payment and the Extended Session registration form must be submitted along with your conference registration.

All sessions will be held at the Shreveport Convention Center, unless otherwise noted.

By number, make a 1st, 2nd and 3rd choice for each time period (AM/PM). List choices on the extended registration form by session number

example:

1st Choice 2nd Choice 3rd Choice

Session/Field Trip Number(s) (AM-3hr)

6

2

10

Morning Sessions (\$15): 8:30 A.M. – 11:30 A.M. – Monday, November 2, 2009

Session

General Interest	1	<p>Algebra Over the Years <i>Mandy Boudwin, St. James Parish Public School System</i></p> <p>Most teachers believe Algebra begins in the 8th grade at the earliest. This session will help teachers see how students can reason algebraically as early as kindergarten and first grade.</p>
	2	<p>Inside Cancer <i>Cathy Williamson, Sci-Port LOUISIANA'S Science Center</i></p> <p>Teachers will be introduced to the resources available on the Dolan DNA Learning Center's Website Inside Cancer. They will learn to use special presentation software to structure classroom discussions.</p> <p><i>Offsite Location: Sci-Port: LOUISIANA'S Science Center</i></p>
	3	<p>Fingerprint of the Stars <i>Brian Fontenet, Calcasieu Parish School System</i></p> <p>This is series of hands on activities will help students comprehend star composition and develop an understanding of visible light. Participants will work with low and high technology materials to identify gas composition in various light sources. This activity is applicable to the 6th and 8th grade comprehensive curriculum. Hand-outs, lesson plans, and an accompanying LEAP like assessment will be provided.</p>

Extended Sessions/Field Trip Offerings – Monday, November 2, 2009

Morning Sessions (\$15): 8:30 A.M. – 11:30 A.M. (continued)

Session

PK-2	4	<p>Curriculum-Based Field Trip Experiences at Walter B. Jacobs Nature Park <i>Rachel Demascal, Caddo Parish Parks</i></p> <p>Park naturalists will guide participants through the park's curriculum-based field trip experiences for elementary students. Participants will experience the classroom activities, explore the nature trails, and interact with live animals.</p> <p><i>Offsite Location: Walter B. Jacobs Nature Park</i></p>
	5	<p>Foldables Make Math Fun <i>Jan DeMeyere, St. Tammany Parish - Jefferson East</i></p> <p>Come join the fun as we create visual representations for many of our math GLEs. Participants will make foldables that will promote student engagement. Participants need to bring scissors, markers, glue, and construction paper.</p>
3-5	6	<p>FOSS Science Program for Grades 3-5 <i>Verne Isbell, Delta Education</i></p> <p>FOSS is an inquiry-based, hands-on science program from Lawrence Hall of Science and Delta Education. This is an active workshop featuring selected FOSS Modules for Grades 3-5.</p>
	7	<p>Spiraled Review to Increase Instructional Density <i>Sherry Colarusso, Vennlogic, Inc.</i></p> <p>Using a Numeracy Center for spiraled review, participants will engage in activities focusing on strand connections, representation, communication, and instructional density. Strands include algebra, number concepts, data, patterns and relations, and some geometry.</p>
	8	<p>An Introduction To Chimp Haven <i>Kimberly Warren, Chimp Haven, Education Associate</i></p> <p>Chimpanzees are an endangered species in the wild. We will discuss topics such as why Chimp Haven exists, our education program and our mission, chimpanzee characteristics, behavior and enrichment. Included will be a learning activity that participants can take back to their classrooms.</p> <p><i>Offsite Location: Sci-Port: LOUISIANA'S Science Center</i></p>
6-8	9	<p>Math Stations <i>Kay McInnis, Monteleone Junior High</i></p> <p>Join us for an interactive, make-and-take workshop that will introduce middle school/junior high teachers to Math Stations. Teachers will learn how to effectively incorporate them into the classroom. Handouts will be available to all participants.</p>
	10	<p>Fractions Come Alive: Engaging Learners <i>Maryanne Smith, St. Tammany Parish</i></p> <p>Is $\frac{1}{2}$ always greater than $\frac{1}{3}$? Does multiplying by $\frac{2}{2}$ double a fraction? Explore these and other common misunderstandings. Experience a variety of engaging rational number "workouts" that will stretch your thinking, make you more flexible in using fraction, decimal, and percent representations, and exercise your use of models.</p>

Extended Sessions/Field Trip Offerings – Monday, November 2, 2009

Morning Sessions (\$15): 8:30 A.M. – 11:30 A.M. (continued)

Session

6-12	11	Water Quality – Using REAL TIME Data Sets to Draw Conclusions <i>Murt Conover, Louisiana Universities Marine Consortium</i> Join LUMCON/BTNEP to learn about water quality. Use scientific equipment and computers to analyze samples and data. Get your students inspired to test hypotheses, make graphs, analyze data, and draw conclusions. FREE MATERIALS!
	12	Overview of Math Essentials <i>Patricia Edmiston, Covington High School</i> This session will provide an overview of the new course, Math Essentials. Activities from the course will be completed by participants. Concerns/questions regarding the new course will be addressed.
9-12	13	Overview of Environmental Criminal Investigations <i>Beau Brock, Louisiana Department of Environmental Quality</i> This PowerPoint presentation informs Louisiana about criminal enforcement of environmental crimes. The PowerPoint also includes an interesting way of teaching students about environmental crimes using a game like jeopardy. It's a very interactive presentation.
	14	Come Ride the Lab Carousel! <i>Sandra Prejean, Vandebilt Catholic High</i> Learn how to save time and money by taking a "cookbook" lab kit and converting it to a lab carousel.
	15	How We Know What We Know About the Universe <i>Laura Whitlock, LSU in Shreveport</i> We will explore the many ways that light brings us information about the Universe - what it is made out of, how big it is, what temperatures objects have, how fast objects are moving, and much more. To understand, we will employ simple math, observation techniques, and pattern recognition in the same way astronomers do every day.

All Day Session (\$30): 8:30 A.M. – 3:30 P.M. (There will a break for lunch)

Session

6-8	16	WETMAAP – Caddo Lake <i>Lawrence Handley, U.S. Geological Survey</i> The WETMAAP Program (Wetland Education through Maps and Aerial Photography) develops wetland maps and imagery for training sessions, conducts training sessions (workshops), and maintains a website for educators and professionals that provide basic training in ecological concepts, technological skills, and methods of interpretation necessary for understanding and assessing wetland and upland habitat change. This training session will explore a section of Caddo Lake using aerial photography, satellite imagery, and wetland maps, and introduce traditional mapping technology into the classroom.
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Extended Sessions/Field Trip Offerings – Monday, November 2, 2009

Afternoon Sessions (\$15): 12:30 P.M. – 3:30 P.M

Session

General Interest	<p>17 Addressing the Needs of all Learners through Differentiated Instruction <i>Kristina Braud, LA Department of Education</i></p> <p>This session will focus on structures for providing support to students who function at various levels within the general education setting, including advanced learners, struggling students and those receiving special services. Practical ideas, resources, and references will be shared. Participants will be able to explore the electronic Access Guide (www.sda.doe.louisiana.gov/AccessGuide).</p> <p><i>Offsite Location: Caddo Teacher Technology Center, Lab 3 (5950 Union Avenue, Shreveport)</i></p>
	<p>18 Ocean Science: Coast to Classroom <i>Jessie Kastler, Marine Education Center, Gulf Coast Research Lab</i></p> <p>COSEE 2009 participants describe experiences collecting estuarine data in the Barataria Basin. Each team demonstrates lessons addressing team scientist's research. Attendees learn how to address ocean and earth science literacy while adhering to science education standards and may win a door prize.</p>
PK-2	<p>19 Speed + Strategies = Success <i>Michelle Blanchard, LSU Laboratory School</i></p> <p>Participants will learn and discuss effective activities and hands-on games to teach basic addition and subtraction facts. Interactive PowerPoint slideshows will be shared via email (or bring a flash drive).</p>
	<p>20 Spiraled Review to Increase Instructional Density <i>Sherry Colarusso, Vennlogic, Inc.</i></p> <p>Using a Numeracy Center for spiraled review, participants will engage in activities focusing on strand connections and instructional density. Strands include algebra, number concepts, data, patterns and relations, and some geometry.</p>
K-5	<p>21 Explore, Engage, Experiment, Evaluate... Curriculum Topic Study <i>J. Christine Paulsell, St. Tammany Parish School Board-Curriculum Center</i></p> <p>Teaching Science in the K-5 classroom requires a combination of a deep understanding of science content, pedagogy, familiarity with standards and research on student learning. By using the Curriculum Topic Study (CTS by P. Keeley) tools and process, a teacher's understanding of important concepts, skills and content will be strengthened.</p>
	<p>22 SOAR Into Inquiry <i>Adrienne Lopez, Louisiana State University</i></p> <p>We'll investigate plants, animals, and microorganisms through hands-on inquiry-based activities using the Scope-On-A-Rope. All participants will get a copy of the new K-5 Activity Manual!</p>

Extended Sessions/Field Trip Offerings – Monday, November 2, 2009

Afternoon Sessions (continued) (\$15): 12:30 P.M. – 3:30 P.M. (continued)

Session #	
3-5	<p>23 Mickey Measures in Metrics <i>Kathie Smart, University of Louisiana at Monroe</i></p> <p>Come discover fun ways to use Disney characters as a motivational aid in student learning. We will focus on measuring in metrics and metric conversions.</p>
	<p>24 Hands-On Activities for Astronomy <i>Greg Andrews, Sci-Port: LOUISIANA's Science Center</i></p> <p>This session will introduce the attendees to a variety of hands-on activities to discuss astronomy concepts. The attendees will also participate in a live presentation in the Space Dome Planetarium.</p> <p><i>Offsite Location: Sci-Port: LOUISIANA's Science Center</i></p>
	<p>25 Rock and "Roll" Number Sense <i>Michelle Rogers, University of Louisiana Monroe</i></p> <p>Learning is just a "roll" away with these fun dice games. Explore using dice and other manipulatives in this hands-on session to reinforce place value, order of operations, fractions and more.</p>
9-12	<p>26 Delta Science Modules for Grades 3-5 <i>Verne Isbell, Delta Education</i></p> <p>Delta Science Modules (DSM) provide hands-on science instruction for Grades K-8. This workshop will focus on DSM Kits for Grades 3-5 Physical and Earth Science.</p>
	<p>27 Enhancing Engineering in STEM <i>Missy Wooley, Ruston High School</i></p> <p>Engage in strategies and learning experiences designed to successfully implement a strong engineering thread into the STEM curriculum through exciting projects and plans that bring engineering to life for students.</p>
	<p>28 Helpful Hints for the Beginning Chemistry Teachers <i>Sandra Prejean, Vanderbilt Catholic High</i></p> <p>Come learn some useful items (books, card sorts, lab carousels, etc) to help you during your first years of teaching high school chemistry. Network with others so you can gather additional ideas and encouragement.</p>
	<p>29 Using Graphing Calculators in High School Mathematics Classes <i>David Thomas, Centenary College</i></p> <p>This session will focus on ways to use the TI-84 calculator in high school math classes. Topics include: the Calc key, the table function, the solver, and Apps.</p>