

LSTA
NEWSLETTER

LASER



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LOUISIANA SCIENCE TEACHERS ASSOCIATION

Louisiana science educators dedicated to the advancement of scientific literacy at all levels,
and encouraging lifelong learning.



October 2018 | Louisiana Science
Teachers Association

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L O U I S I A N A S C I E N C E T E A C H E R S A S S O C I A T I O N

Louisiana science educators dedicated to the advancement of scientific literacy at all levels,
and encouraging lifelong learning.

President's Message from Patrice Mire**Hello Everyone!**

It's hard to believe that we are already into October! The school year is rolling "Full Steam Ahead" as are the final plans for our 2018 Joint LATM/LSTA conference!

Have you registered for this year's conference?!?! The conference is less than two weeks away, but you still have time to register!! As a reminder, the conference will be held October 22-24 at the Shreveport Convention Center. October 13 was the pre-registration deadline, but online registration will continue at the full registration rate. Online credit card payments will continue to be accepted until the morning of October 24, 2018. However, cash, check, or P.O. payments for registration can no longer be mailed in and will only be accepted during check-in at the conference at the On-site Registration desk. Click [here](#) to register! Please do not forget to download the Guidebook app before coming to conference so you can stay in touch with other participants and get the latest conference information.

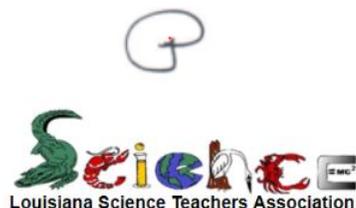
On Monday October 22, 2018, Dr. Debbie Silver will present a leadership session, "Supporting Teacher Efficacy: Empowering teachers is key to improving student outcomes" (extended session #10). Based on her bestselling books, Fall Down 7 Times, Get Up 8 and Deliberate Optimism – Reclaiming the Joy in Education, Dr. Silver offers insights into how leaders can help math and science teachers realize their best professional selves as they focus on what they can control and minimize the effects of the things they cannot. Debbie will discuss the importance of mastery, competence, and the ability to reframe life's circumstances. Laced with her trademark candor and humor, Dr. Silver will provide valuable research information along with practical examples of putting theory into practice.

While at the conference, be sure to attend the exhibit showcase where more than 70 exhibitors will be on hand to speak with participants! Please join us Monday evening from 6:00 pm – 7:30 pm for the exhibits showcase. This year's event is being sponsored by Carolina Biological and is open to all participants. The Carolina Biological Social and Reception will mark the official kick-off of the 2018 LATM/LSTA Conference. A big "Thank you" to Pearson, for also agreeing to sponsor our conference. It is not too late to join the list of conference sponsors! If you are interested in sponsoring this year's conference, please contact me at patrice.mire@vpsb.net. Tuesday afternoon at the conference, LSTA will recognize this year's award winners at the LATM/LSTA Awards Ceremony. It is scheduled to be held October 23 at 4:15 pm. Check the conference program for the location.

At this time, I would like to congratulate Stefanie Farris on being awarded Louisiana's 2016 State Presidential Award for Excellence in Science Teaching!! Ms. Farris has been an educator for 24 years and currently teaches Science Lab to kindergarten through fifth grade students at Fairfield Elementary Magnet. I want to thank her for her many years of service and devotion to the students and teachers of Louisiana.

Continue to get the latest news and science education information from our [website](#) and our [Facebook](#) and [Twitter](#) pages. Again, thank you and please let us know how LSTA can help you! See you at the conference!

Yours in SCIENCE EDUCATION,



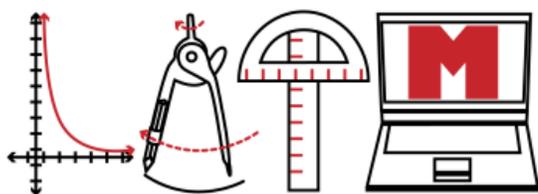
Joint LATM LSTA Conference

Save the Date for
Full STEAM Ahead

Joint LATM LSTA Conference
October 22-24, 2018
Shreveport Convention Center

For more information, visit one of our websites:

<http://lamath.org/>
<http://www.lsta.info/>



**LOUISIANA ASSOCIATION of
TEACHERS of MATHEMATICS**



Louisiana Science Teachers Association

Conference Overview (Draft)

Monday, Oct. 22nd

Extended Sessions and Field Trips: 8:30 AM – 3:30 PM
Exhibitor Registration and Set-up: noon – 4:30 PM
Conference Participant Check In: 5:00 PM – 7:30 PM
Exhibits Showcase: 5:00 PM – 8:00 PM
Carolina Biological Social and Reception: 6:00 PM – 7:30 PM

Tuesday, Oct. 23rd

Conference begins
Conference Participant Check In: 7:00 AM – 4:00 PM
Exhibit Hall Open: 8:00 AM – 4:00 PM
Concurrent Sessions: 8:00 AM – 4:00 PM
Outstanding Educator Awards: 4:15 PM
Shreveport Aquarium Guided Tour: 6:00 PM – 8:00 PM

Wednesday, Oct. 24th

Conference continues
Conference Participation Check In: 7:00 AM – 9:00 AM
Exhibit Hall Open: 8:00 AM – noon
Concurrent Sessions: 8:00 AM – 12:30PM

Conference Online Registration

With the conference registration PayPal option, it is now easier to get your conference payment submitted!

October 10, 2018 is the deadline for registering if you want to attend an Extended Session/Field Trip. Don't miss out on attending sessions on the 5-E Instructional Model, by the LIGO Educators, Great Minds Math Team, the Phenomena Database, trips to local community resources, bridging and integrating for STEAM, etc. **October 13, 2018** is the last postmark date for the pre-registration discount of \$25 off the full registration rate and the last date to order on site Grab-n-Go lunches. Remember, any mail-in payments postmarked after **October 13, 2018** will not be accepted. Only on-site payments will be accepted.

All Registrations are to be completed online at
www.lsta.info/annual-conference

Louisiana Association of Science Leaders (LASL)

Are you a district science supervisor, science content specialist, school master teacher, Teacher Leader or science coach? Based on the Frameworks for K-12 Science Education the way science educators approach the teaching and learning process and the use of tools and resources to improve science teaching and learning has shifted. This year at the LSTA/LATM Joint Conference, the Louisiana Association of Science Leaders will provide a strand of concurrent sessions specifically of interest to those in science education leadership positions in their schools, districts, universities, or state regions. In order to make the sessions more valuable, please contact Julie' DuBois at judubois@iberia.k12.la.us with session topics of interest and if you are interested in presenting a session for science leaders.

Full STEAM Ahead LATM/LSTA Conference Hotels

	Hotel	Distance from Convention Center	Conference Rate	Self-Parking Fees
	Hilton Shreveport 104 Market Street Shreveport, LA 71101 (1-318-698-0900) https://book.passkey.com/go/2018JointConference	0.0 miles	1-2 people \$105/nt 3 people \$115/nt 4 people \$125/nt	\$8.00
	Sam's Town Hotel and Casino 315 Clyde Fant Parkway Shreveport, LA 71101 (1-877-429-0711) http://www.samstowshreveport.com/math-science-conf	0.5 miles	\$109/nt (1-2 people)	\$0.00
	Holiday Inn Shreveport Downtown 102 Lake Street Shreveport, LA 71101 (1-318-222-7717) Group name: Louisiana Math and Science Teachers Association	0.7 miles	\$96/nt king or double beds	\$0.00

For hotel information please visit the conference page at: <https://lsta.info/annual-conference>

Conference 2018 Dr. Debbie Silver- Extended Session Speaker



Monday October 22, 2018 Dr Debbie Silver will present a Leadership session **Supporting Teacher Efficacy: Empowering teachers is key to improving student outcomes.** Based on her bestselling books, *Fall Down 7 Times, Get Up 8* and *Deliberate Optimism – Reclaiming the Joy in Education*, Dr. Silver offers insights into how leaders can help math and science teachers realize their best professional selves as they focus on what they can control and minimize the effects of the things they cannot. Debbie will discuss the importance of mastery, competence, and the ability to reframe life's circumstances. Laced with her trademark candor and humor, Dr. Silver will provide valuable research information along with practical examples of putting theory into practice.

The Louisiana Association of Science Leaders is proud and honored to provide travel support to bring Dr Debbie Silver to Louisiana's 2018 Joint Mathematics and Science Conference **FULL STEAM AHEAD.**

Conference Registration

All Registrations are to be completed online at

www.lsta.info/annual-conference.

- Conference registration may be completed by check or credit card. Registration costs are based on 1) postmark date of mailed check or P.O. submitted with a copy of the printed form, or 2) the online payment date. All cash, check, or P.O. payments after **October 13** must be made on site. If paying online, select the ONLINE option and not the MAIL-IN option due to additional transaction fees.
- If paying by check or online using a credit card, complete the online form. (Do not print the online form. Print the invoice page that follows after clicking the blue "Invoice Me" button.) Extended sessions can be selected in the registration form if you would like to participate in any of those professional development opportunities.
- Extended Sessions: Select your first choice(s) in the extended session section. Be sure to also select your 2nd and 3rd choices in the correct fields if you are registering for the extended sessions. We will do our best to place you in your first choice, but second and third choices are needed in case your first choice is not available. The earlier your payment is received, the greater the likelihood that you will be placed in your first choice.
- Once the form is completed, click the blue next button to review your registration. From this screen, you can click "invoice me" to have a copy emailed to you and also to print, or you can select Pay online. **ONLY CLICK THE PAY ONLINE BUTTON IF YOU HAVE SELECTED AN ONLINE PAYMENT REGISTRATION OPTION.** If you are mailing in your payment, please send the invoice with your check or purchase order.

For those coordinating group registrations:

- If paying by check, have each individual complete and submit a registration form online, print the invoice that follows, and provide a copy for you to submit with the single payment. Please complete the section in the registration form specifically for check or purchase order payments covering multiple registrants.
- Individuals who registered for events for which the funding agency will not pay, i.e., extended/short course session(s) are to write a personal check made payable to "2018 LATM/LSTA Joint Conference" for the costs of those events and secure it to their registration invoice with a paper clip, not a staple.

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- Total the amounts that are covered by the funding agency for all invoices. Submit a funding agency check for the total that is funded by the agency and the printed invoices with attached personal checks from the individuals to the address specified on the invoices.
- Keep a copy of all forms and checks submitted.
- If you need to pay for the group registration by credit card, please contact Registration Chair Nicole Cotten nmcotten12@gmail.com.
- Remember, the earlier the payment is postmarked, the greater the discount. All extended session/short course registrations must be postmarked by **October 10, 2018**. The earlier the payment is received, the more likely it is that the attendee will get their first choices of extended sessions.
- For questions regarding registration, e-mail Registration Chair Nicole Cotton nmcotten12@gmail.com.



2018 Confrence Registration Rate

Full Conference Pre-Registration Save \$25 when compared to Full Conference Registration. Must be postmarked or paid online from September 23 – October 13, 2018.	\$100.00
Full Conference Registration Mail-in payments postmarked after October 13, 2018 will not be accepted. Either pay online or pay on-site.	\$125.00
Full-time Non-teaching Undergraduate Student Full Conference Pre-Registration Must be postmarked or paid online no later than October 13, 2018.	\$25.00
Full-time Non-teaching Undergraduate Student Full Conference Registration Mail-in payments postmarked after October 13, 2018 will not be accepted. Either pay online or pay on-site.	\$30.00
Wednesday Only Pre-Registration Must be postmarked or paid online no later than October 13, 2018.	\$25.00
Wednesday Only Registration Mail-in payments postmarked after October 13, 2018 will not be accepted. Either pay online or pay on-site.	\$50.00
Extended Session – AM Session*	\$15.00
Extended Session – PM Session*	\$15.00
Extended Session – Full Day*	\$30.00
Full Conference Early- Bird Registration required no later than September 22, 2018.	

Extended Session participants must register for the conference.

Link to Extended Sessions

[Click Here](#) to view a list of conference extended sessions

Grab-n-Go Lunches

Past evaluations found the offer of Grab-n-Go lunches to be greatly appreciated by conference participants. As a result we will again provide that opportunity. The Committee understands you do not want to miss anything during the day on Tuesday.

When registering conference goers will have their choice of four box lunches, all at the state rate lunch price. You will be able to select, pay and have the lunch shown as part of your registration cost. For those who pay in advance for their lunch, the meal will be picked up in the Convention Center and after “grabbing” their lunch teachers can “go on” to the next session on their agenda without missing a beat.

There will be no need to get a car out of the parking garage (and have to repay when returning), no worry about the weather (will it be raining at lunch time), a perfect convenience if you want to have lunch and visit the exhibits, continue attending sessions or sit with one of the colleagues you see each year at conference time.

Grab-n-Go Lunch options: All options are \$13.00 (state rate lunch allowance).

1. Ham sandwich, lettuce and tomato, pasta salad, and cookie with water or soft drink
2. Turkey sandwich, lettuce and tomato, pasta salad, and cookie with water or soft drink
3. Spring salad – baby spinach, mandarin orange segments, and roll with water or soft drink
4. Signature salad – arugula, boiled egg, asiago cheese, sliced black olives, crispy prosciutto, Italian vinaigrette dressing, and roll with water or soft drink

Presidential Awardee and State Finalists Honored at Luncheon

A luncheon was held at the Louisiana Governor’s Mansion on September 20, 2018, to recognize the 2016 Awardee and the 2018 State Finalists for the Presidential Awards for Excellence in Mathematics and Science Teaching. Louisiana First Lady Donna Edwards addressed the group and assisted with the presentation of the awards. The science honorees are



2016 Presidential Awardee for Science

Stefani Farris

Fairfield Elementary Magnet
Shreveport, LA

2018 Presidential State Finalists for Science

Lisa Swenson

Isidore Newman School
New Orleans, LA

Heather Warner

Caroline Dorman Junior High School
Woodworth, LA



State Finalists represent the most outstanding teachers Louisiana has to offer and serve as both a model and an inspiration to students and fellow teachers. Application packets of State Finalists have been submitted for national review. Teachers who are selected as PAEMST awardees receive a trip to Washington, D.C., where they attend a series of recognition events and professional development opportunities. They also get a \$10,000 award from the National Science Foundation and a Presidential certificate.

Regional News

✦ Region I ✦

Saturday August 18, **Jean May-Brett, Rob Wallace, and Casey McMann** delivered a workshop at the WW2 museum on writing QSM grants. Twenty-five participants learned about the parts of the grant, how applications are scored, and best practices for writing these and other grants.



Welcome to Audubon Nature Institute's new Director of Education Programs, **Llewelyn Everage!** She is very excited to start forging the path to conservation with her team.

Sunday September 16, twenty-two students with the BCHS Conservation Leadership Corps. and teacher **James Head** volunteered their time to recycle almost 8 tons of oyster shell in Buras, LA with the Coalition to Restore Coastal Louisiana (CRCL). They shoveled, raked, and hand-loaded the oyster shells

recycled from local New Orleans restaurants into individual bags and loaded them onto pallets to be placed at a reef-building project CRCL is coordinating. The re-built reef provides protection from coastal erosion by reducing wave impact energy and provides substrate for oyster larvae to attach to and start growing into new living reef.



Please submit news for Region 1 to **Casey McMann** at cmcmann@ppsb.org.

Super Science Saturday (SSS) is a free Science, Technology, Engineering and Math (STEM) education event for students in kindergarten to 12th grade, parents, and anyone interested in seeing science in action. SSS is sponsored by LSU Chemistry, the Baton Rouge local section of the American Chemical Society (ACS), and LSU Athletics. SSS is held each Fall, usually around National Chemistry Week. This year there will be 20 activity stations with hands-on demonstrations and activities to engage students and adults alike. Each K-12 student that attends is given a Passport at the check-in area that has blocks for each of the activity stations. When the student visits the station and participates in the activities the Passport is stamped. After visiting all the activity stations located around the concourse level of the PMAC they will receive some small gifts at the check-out area. Many regional K-12 teachers give students with a fully-stamped Passport some bonus points for attending and learning some science – so students should hang on to their Passports if that is the case. We typically have 1,000 to 1,100 K-12 students and 1,200+ parents attend the event.

Over 150 volunteers help with SSS, from staffing the activity booths, to blowing up 800+ balloons to give to the K-12 students that attend the event. The activity stations this year will be staffed by Albemarle, BASF, Dow, ExxonMobil, the Greater Baton Rouge Industry Alliance, LSU College of Science Departments and organizations, LSU Engineering Diversity Ambassadors, LSU Food Science, the Laser Interferometer Gravitational-Wave Observatory (LIGO), the American Institute of Chemical Engineers (AIChE), Solutions Through Science, Iota Sigma Pi, and Franciscan Missionaries of Our Lady of the Lake University Chemistry Department. **Super Science Saturday will be held on October 27, 2018 from 10 AM to 3 PM at the LSU Pete Maravich Assembly Center (PMAC, upper concourse level).** The event is free, but we collect non-perishable food items (and/or monetary donations) for the Baton Rouge Food Bank. The organizer of the event is Prof. George Stanley (LSU Chemistry, phone: 225-578-3471, Email: gstanley@lsu.edu). Please contact him for more information or questions about Super Science Saturday. Information is also posted on the LSU Chemistry website (chemistry.lsu.edu).



The **Woodlawn Middle School** students are participating in a community-based program titled, Robot Engineers in Action! Team member **Cherilyn Andrews** describes the program as essential in building critical thinking skills for their students. These robot engineering challenges engage students in fun and exciting robot building activities through the universal method of storytelling. Through this program students have developed communication skills, provided opportunities for cooperative play and increased attention span and creativity.



“Special Saturdays” at the LSU Museum of Natural Science is a STEM program that focuses on introducing children and their parents to the world of natural science. One Saturday a month they focus on a specific topic and invite experts from within the LSU research community to give short engaging talks accompanied by hands-on activities. All programs are FREE and are especially appropriate for children ages 5-12. Sessions are held in the exhibit area of the LSU Museum of Natural Science (Foster Hall) from 10:00am-12:00pm. Upcoming sessions include: **Not So Typical Living** will be held on October 6, 2018. A lot of animals live on land like us, but some live underground, in trees, underwater, and so on. Come and learn about how amphibians and reptiles fit into these different lifestyles and the unique adaptations that come with it with herpetologist Zach Rodriguez. **Who Needs a Backbone Anyway?** Will be held on October 27, 2018. The Gulf of Mexico is home to many fish and marine mammals, but what other amazing creatures live there? Marine invertebrates (creatures with no backbone) are a diverse and exciting bunch of animals that include corals, sponges, sea stars, sea urchins, and many more! Marine biologist Alicia Reigel will teach you all about these fascinating ocean dwellers, and you'll even get to see and touch some live specimens that came straight from the Gulf!

Please submit news to your region 2 representative, **Bianca Deliberto** at bianca.deliberto@zacharyschools.org.

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✦ Region III ✦

Alma Robichaux, BTNEP's Education/Outreach Coordinator joined the Flower Garden Banks National Marine Sanctuary, a division of the National Oceanic and Atmospheric Association (NOAA) to conduct fish surveys and remove invasive lionfish. Trained volunteer divers and research partners from across the country conducted fish surveys and removed over 800 invasive lionfish at Flower Garden Banks National Marine Sanctuary and the surrounding area from August 27-30, 2018. This was the fourth "Lionfish Invitational" public removal event in the northwest Gulf of Mexico.

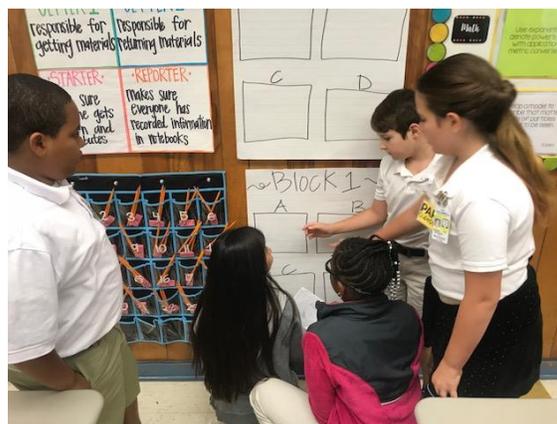
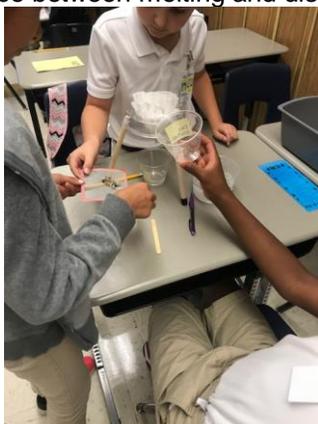


LSTA Past-President, Nathan Cotten and LSTA Webmaster, Nicole Cotten hosted a QSM grant writing workshop August 25. Teachers from Terrebonne, Assumption, and Lafourche parishes were in attendance. Participants learned many of the dos and don'ts of writing a QSM grant and walked away with the start of a successful grant proposal.

8th grade Students from Rochelle Darville's class at West St. John High School, made a model to understand the Law of Superposition. The model, part of a STEMscopes kit, showed how scientists use rock strata to tell learn about Earths History.



Raquel Ray's 5th grade students at Caldwell Middle School have been working on mixtures and solutions through the use of FOSS kits. She and the students are loving it! So far they have explored separating mixtures, solved black box mysteries, and experimented with the difference between melting and dissolving. (Insert RR1 and 2)



Angela Farnel was one busy lady during the summer of 2018! Angela, West St. John Elementary's 2017-2018 Middle School Teacher of the Year, spent her summer participating in numerous professional development opportunities including Science Teacher Technology Training (ST3) where participants developed instruction and learned how to guide and help students explore key concepts in science. She also attended GenCyber Security, at the University of New Orleans where she deepened her knowledge of cyber security. Angela, spent time at Louisiana State University at the SuSTEMable Agriculture workshop. This week-long workshop focused on integrating sustainable agriculture into all branches of science. Modeling Inquiry Science Education (MISE), held at Southern University and Core Elements workshops held at the University of New Orleans were also attended by Angela. Wow!! I'm sure you have some great information to share with your district!

Please submit news for Region 3 to Tammy Brouillette at tammybrouillette@tpsd.org.

Louisiana Science Teachers Association Newsletter (www.lsta.info)

✦ **Region IV** ✦

David Thibodeaux's STEM Camps for Kids

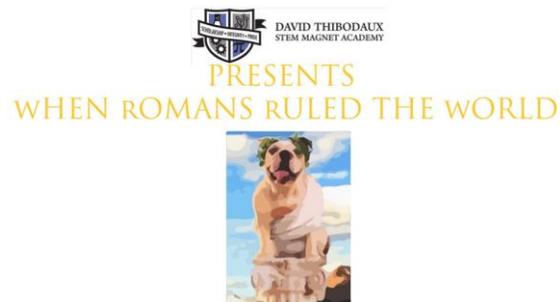
David Thibodeaux STEM Magnet Academy in Lafayette is offering a brand-new community outreach project for elementary students who'd like to learn about STEM through various interactive activities. DTSMA will be hosting STEM Camps throughout the school year, each one with a focus on STEM concepts in different subjects.

One of the most important features of the camp is that it is designed and organized entirely by seniors at DTSMA school.

The first of these camps is Saturday, October 6. The theme for the camp is "When the Romans Ruled the World". The camp will last from 10am-12pm. Cost is FREE!!

Space is limited to 50 students from grades 4-5 only.

Please feel free to contact Nicolette Darjean nmdarjean@lpssonline.com if you have any further questions!



ULL Science Innovation Camps Fall 2018



UL Lafayette is seeking children to participate in their Saturday Science and Innovation camps (Oct 20 and 27, 8:30 am - 11:30 am). Participating children must attend both days.

The Saturday programs provide an opportunity for UL Lafayette education majors to gain experience in working with children. Each child will be teamed with other children and UL education majors. These teams work through a series of activities that engage them in scientific inquiry, innovation, engineering, mathematics, language arts, and science.

All programs will be in Maxim Doucet Hall located on the UL Lafayette campus. The cost is \$30 for each child. Registration is required. Learn more about classes offered and register online at: <http://cilat.org/classes-for-kids/>

St. Thomas More Catholic High School



Last year's Louisiana Environmental Education Commission (LEEC) Green Schools Grant allowed the Environmental Science classes at St. Thomas More Catholic High School to conduct several projects. The students were recognized with a 2nd Place finish in the Louisiana Chapter of the US Green Building Council's Green Schools Competition in the High School division along with a \$1000 award.



Two generations of monarchs are present at STM this school year as a result of the butterfly garden and all six class sections have been able to release monarchs hatched in the classroom, with several hatching out in the garden.

St. Landry Parish School System

St. Landry Parish science teachers have been attending after school Educator Academy sessions. These sessions give teachers an opportunity to review upcoming standards and lessons from their instructional units. Teachers are able to participate in activities which will be brought back to their classrooms. In September, sixth grade teachers investigated contact and non-contact forces while fifth grade teachers organized food chains and analyzed the flow of energy and matter in ecosystems.



Please submit news for Region 4 to **Breyone Carter** at bscarter@lpssonline.com.

◆ Region V ◆



CPSB's **Darrell McDaniel** authored a \$100,000 grant that was funded by the NOAA Bay Watershed Education and Training program. The grant will fund the conversion of **Nick Limberis'** aquaponics system at Lake Charles Boston Academy from freshwater to saltwater where grasses for coastal restoration will be grown. This system will be outfitted with a data monitoring system that can be accessed by all schools in the district. Participating teachers will maintain and experiment on miniature aquaponics systems in their classrooms. **Gary Kratzer**, and **Lori McGee** will lead field experiences and an educational water quality program for teachers and students.

Principal, Laura LeDoux, leads a ribbon cutting that was held for the CITGO Innovation Academy located at E.K. Key in Sulphur. This partnership between the Calcasieu Parish School Board, CITGO, and McNeese aims to promote STEM learning at the elementary level.



Students participate in a STEM session titled, "Don't Lose your Marbles," at Tech Camp presented by CPSB Tech Training Dept.



Calcasieu Parish School Board elementary students get their first experience with virtual reality.



Please submit news for Region 5 to **Darrell McDaniel** at darrell.mcdaniel@cpsb.org.

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✦ **Region VI** ✦

Go full STEAM ahead by registering for the LSTA / LATM joint conference. The conference will take place October 22nd – 24th in Shreveport. It will be an excellent opportunity to gain ideas and resources to use in the classroom. To register, please visit lsta.info/annual-conference.

Congratulations to Heather Warner for being selected as a 2018 Louisiana finalist for the Presidential Award for Excellence in Science Teaching. This award is given for excellence in science education. Heather is a junior high school science teacher at Caroline Dorman Junior High School in Woodworth. For more information on the Presidential Award for Excellence in Mathematics and Science visit <https://www.paemst.org/>.



Caption: Heather Warner with Donna Edwards.

The Louisiana Department of Wildlife and Fisheries has an Aquatic Volunteer Instructor Program that teachers can participate and have access to several lesson plans and loaner equipment for the classroom. If 5 or more teachers from one school are interested in becoming an aquatic volunteer instructor, LDWF staff can offer a private teacher in-service training during school hours. For more information, please visit www.wlf.louisiana.gov/ldwf-volunteer-programs. The Louisiana Department of Wildlife and Fisheries has several sites around the state as part of their Get Out & Fish! Community Fishing Program. These sites give teachers an opportunity to bring their students out for water quality, pond ecology or fisheries management lessons. The ponds are also stocked with channel catfish in the fall and spring and rainbow trout in the winter to provide students with an easily accessible location to go fishing. The newest site will kick-off with an event on November 3 at Sidney Hutchinson Park in Walker, LA. For more information about the Get Out & Fish! Program and sites near you, visit www.wlf.louisiana.gov/get-out-and-fish-1. If you are doing something great in your class or have any news to share with educators please feel free to email me at: pierre.lacaze@rpsb.us.

Please submit news for Region 6 to **Pierre LaCaze** at pierre.lacaze@rpsb.us.

✦ **Region VII** ✦

On August 25, teachers came together at the Wanda Gunn Professional Development Center to determine how to increase rigor in their assessments. DOKtoring Your Assessments, provided by LSTA, focused on increasing the depth of knowledge of assessment questions. Teachers completed exercises to help to improve classroom assessment that correlate more closely to Louisiana's LEAP 2025 and the new science standards. This workshop was conducted by **Jeff Holcomb** and **Jan Graff**. Thanks to those from Region 7 who were able to attend.

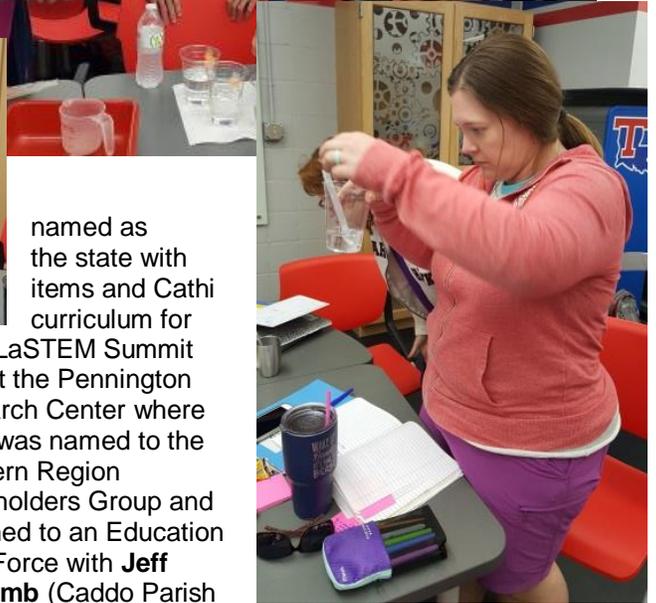


Louisiana Science Teachers Association Newsletter (www.lsta.info)

Please submit news for Region 7 to Jeff Holcomb at jeffreygholcomb@gmail.com.

✦ Region VIII ✦

Cathi Cox-Boniol and **Missy Wooley** (both Lincoln Parish Schools) facilitated four days of training for all Lincoln Parish Schools middle grades teachers as they prepared for the district's pilot of the new OpenSciEd science curriculum. The teachers worked through the entire Thermal Energy unit while collaborating on how to modify other units to more closely follow the OpenSciEd format. Missy is now supporting the teachers by participating in their collaborative planning periods and PLC meetings as well as observing in the classroom to provide constructive feedback.



Both Cathi and Missy were Teacher Leader Advisors for Missy working on EAGLE reviewing elementary science the state. They also traveled to Baton Rouge to participate

in the LaSTEM Summit held at the Pennington Research Center where Cathi was named to the Northern Region Stakeholders Group and assigned to an Education Task Force with **Jeff Holcomb** (Caddo Parish Schools) and **Christy Bucker** (Bossier Parish Schools). The Task Force met following the Summit to draft an action plan for the Regional Stakeholder Group to utilize in subsequent conversations and collaborations around affecting significant change that will help address the work force gap for jobs in Louisiana that require STEM skills.



Cathi attended the EbD State Consortium Directors Fall Leadership Forum in Washington DC where she was named the first director to serve as a mentor for a new director in another state. In her role as Louisiana State Director, she will be working with **Matt Johnson**, Missouri's new director, as he moves forward within the national consortium.

Please submit news to your region 8 representative, **Laura Malone** at lauramalone@opsb.net

Professional Development Opportunities and Resources

Engineering & Design at the Louisiana Art & Science Museum

Explore engineering and design in [Lin Emery: A Force of Nature](#). This exhibition features over thirty sculptures designed to move with the natural forces of wind, water, or magnetism. Our hands-on Colonnade galleries also encourage students to learn about the art and science of kinetic sculpture, or sculpture that moves, through interactive activities. Schedule a guided exploration or guided tour of this scientific art exhibition for your students today at lasm.org/ap!



Sharing Kids to Parks Day National School Contest

Facebook: @nationalparktrust

"Kids to Parks Day National School Contest is NOW open! @NationalParkTrust's contest is open to all Title I schools (40% of students qualify for free or reduced-priced lunch) and school groups in the U.S. in grades preK through 12. The goal of the contest is to help educators engage students with their local parks through education, outdoor recreation, and stewardship. Contest closes on February 14, 2019, with winners announced on the website on March 7, 2019. To download your entry form and apply -- and to review contest details, sample entries, and past winners -- go to <http://bit.ly/KTPScience>. Good luck to everyone!"



Twitter: @natparktrust

"Teacher or student at a #TitleI school? Enter @NatParkTrust's #KidsToParks Day National School Contest to win a free park trip! <http://bit.ly/KTPScience>"

Instagram: @nationalparktrust

Newsletter/Website:

"Fund Your School's Kids to Parks Day Trip

National Park Trust (NPT) invites students across the country to participate in the 9th annual Kids to Parks Day (KTP). KTP is a nationwide grassroots movement to celebrate America's parks and public lands and waters. To inspire kids and schools to explore outdoors, we also host the Kids to Parks Day National School Contest, which is NOW OPEN! If you work at or attend a Title I school, you are eligible to enter and win up to \$1,000 to fund your dream park experience.

Louisiana Science Teachers Association Newsletter (www.lsta.info)

The deadline for entries is Thursday, February 14, 2019. Winners will be announced on the website Thursday, March 7, 2019.

Click here to learn more about the contest, download the entry form, and watch our school video from last year! Questions? Contact Billy Schrack, (william@parktrust.org) or Katie Zimmerman, (katie@parktrust.org) or call 301-279-7275. Or if you would like to help sponsor this program, contact Maryann Kearns (maryann@parktrust.org).



Framework for Leading NGSS Implementation

An excellent resource for districts, is available at

<https://www.wested.org/wp-content/uploads/2017/10/Framework-for-Leading-NGSS-Implementation.pdf>

Free NGSS-Designed Curriculum Available!

[SCALE Science Website is Live](#)

Teacher Institute for Evolutionary Science (TIES)

The purpose of the Teacher Institute for Evolutionary Science (TIES) is to familiarize interested science teachers with the concepts of natural selection, common ancestry, and diversity in order for them to confidently cover the topics in their classrooms and fulfill their curriculum requirements. TIES introduces teachers to the most important points of evolution and natural selection with a focus on the amazing advances of genetics. The success of TIES depends upon providing ready-to-use resources that teachers can begin to use immediately. Participating teachers or student teachers leave our workshops with presentation slides, labs, guided reading assignments, an exam, and a valuable resource list for their lesson plans.

TIES is funded by the Richard Dawkins Foundation for Reason and Science which is a subsidiary of the Center for Inquiry. School Districts wanting to in-service or provide professional development for their teachers can contact me to set up a workshop. The full workshop usually runs about 3 hours and includes content knowledge presentation on genetics and evolution, lab simulation and explanations and a walk through of the web page where they can access lots of free, high quality information, presentations, tests, labs, and activities. Here is a link to the website for your perusal:

<https://richarddawkins.net/ties/>

If you are interested in becoming a member of this amazing Professional Learning Community as a teacher or scientist, please take a minute to sign up on the website. If you don't want to participate, you can still feel free to take what resources you want and use them in your classroom. Everything that we have is FREE!

You can also follow us on Facebook @RDFRSTIES and Twitter @rdfrsTIES. The links are also on our website.

Louisiana Science Teachers Association Newsletter (www.lsta.info)

James Patterson Library Classroom Library Give Away

I want all teachers and their students to have a great classroom library – that's why I'm partnering with [Scholastic Book Clubs](#) and giving away \$2M. Apply here: <http://bit.ly/2lvCO8q>

LSU's Chem Demo Program

The link below is about LSU's Chem Demo Program a science roadshow run by LSU

<https://cen.acs.org/articles/96/i17/Louisiana-State-Universitys-ChemDemo-program.html>

New Orleans Pelicans Teacher Deal

Teachers, I hope everyone is ready for BASKETBALL season!! Pelicans games are right around the corner. I have our first special of the year, Pelicans OPENING NIGHT, Friday October 19th vs Sacramento. The game is already sold out in the 100 level, but I have balcony tickets available.

TEACHER DEAL \$20

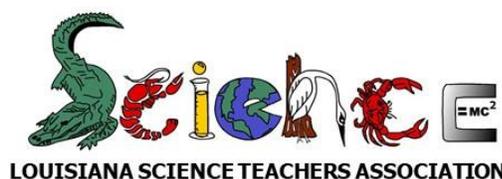
Pelicans vs Sacramento

October 19th

Each ticket includes: **PELICANS Pullover Hoodie**

PLUS!!! The first 15 teachers will get to participate on court high fiving players!!

To order tickets: **Call me at 504-593-4748** mention: **TEACHER**



Save the Date!!!!
Joint LATM LSTA Conference
October 22-24, 2018
Shreveport Convention Center
Mark your calendar & plan to be there.

2018 Shell Energy Workshop

2018 SHELL ENERGY WORKSHOP
Presented in partnership with The NEED Project
MARK YOUR CALENDARS AND REGISTER TODAY!

DATE AND LOCATION

October 25, 2018
Clarion Inn & Conference Center
1500 W Highway 30
Gonzales, LA 70737



Who should attend?

- 4th – 12th Grade Science Teachers
- CTE Teachers
- Math Teachers
- Social Science Teachers
- Afterschool program leaders

Register today!

http://www.need.org/calendar_list.asp

QUESTIONS?
Contact Wendi Moss at wmoss@need.org
or call 1-800-875-5029



What will you receive?

- It's FREE
- Breakfast & lunch provided
- Substitute reimbursement
- Choice of a NEED Science of Energy Kit or a NEED Exploring Oil and Gas Kit
- LEAP aligned curriculum

National Geographic Geo Challenge

Registration is now open for our newest student competition for 5th-8th graders. The GeoChallenge is an annual competition that challenges students to create a solution to a real world problem. This year's theme is Tackling Plastic. Students are invited to investigate the issue of plastic pollution in our waterways. [Click here for more information or to register.](#)

Louisiana Science Teachers Association Newsletter (www.lsta.info)

National Geographic Online Educator Certification

Registration for the online Educator Certification program is live. [Click here to sign up for the fall cohort](#). Participants will complete all three phases of Educator Certification online.

National Geographic Online Geo-Inquiry Course

Registration is now open for the online geo-inquiry course. The course begins October 10, 2018, and ends December 6, 2018. [Click here for more information or to enroll](#).

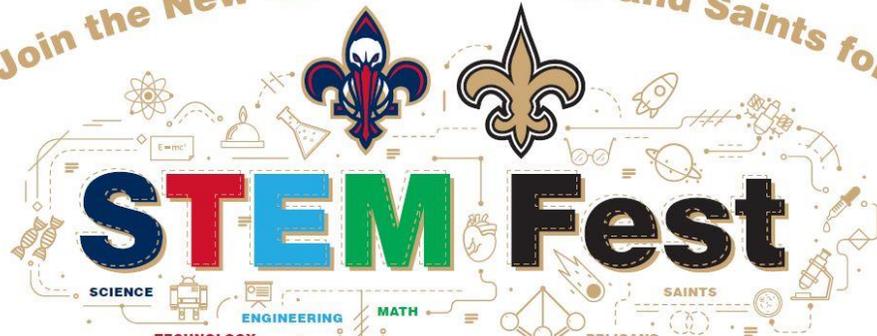
The Satellites and Weather Teaching Box

This collection of educational resources is designed to help middle school students learn how satellites “see” the atmosphere and how they help with weather forecasting. Resources in the [teaching box](#) are sequenced to help build student understanding, align with Next Generation Science Standards, and have been reviewed by our team of educators. The [Satellites and Weather Teaching Box](#) is made possible thanks to support from [COSMIC](#) and [NOAA](#).

[UCAR Teaching Boxes](#) are collections of classroom-ready and standards-aligned activities, content, and multimedia that build student understanding of science, technology, engineering, and math. All materials are freely available online.

STEM Fest

Join the New Orleans Pelicans and Saints for



presented by  Chevron

benefitting Core Element 

Saturday, October 20 • 10am-2pm
Mercedes-Benz Superdome

Save the date for a hands-on event featuring live performances, interactive demonstrations and Saints & Pelicans activities!

\$12 entry fee includes access to event + ticket to a 2018-19 Pelicans game!

NEW: Screening Tools for 3D Science Assessment Tasks



As the science education community focuses on how to assess student learning under new science standards, the question of how to determine the quality of potential assessment tasks arises time and again. Today, Achieve is excited to release [two new tools](#) intended to assist educators in evaluating science assessment tasks to determine whether they are designed for three-dimensional science standards based on the *Framework for K-12 Science Education*, such as the Next Generation Science Standards.

The [Science Task Prescreen](#) is used to conduct a quick review of assessment tasks to identify any "red flags" - challenges commonly found in science assessment tasks - and determine whether a task is worth a more rigorous evaluation.



The [Science Task Screener](#) is used to take a deeper dive into evaluating science assessment tasks. The Screener is organized around four key criteria, each with a set of indicators to help reviewers determine whether the criteria are met and a set of response forms for gathering and analyzing evidence, providing suggestions for improvement, and rating the task. The Screener builds off the criteria in the [EQulP Rubric for Science](#) by more clearly specifying features for the assessment tasks embedded in lessons and units.

If you have questions or are interested in professional development opportunities related to evaluating science assessment tasks, please contact ngss@achieve.org. You can also learn more about the broader science professional learning services that Achieve offers, including support for science tasks, [here](#).



Miami University's Project Dragonfly

Miami University's Project Dragonfly is accepting applications for 2019 Earth Expeditions graduate courses that offer extraordinary experiences in 16 countries throughout the world. <http://EarthExpeditions.MiamiOH.edu>

Earth Expeditions can build toward the Global Field Program (GFP), a master's degree that combines summer field courses worldwide with web learning communities so that students can complete the GFP master's part-time from anywhere in the United States or abroad. <http://GFP.MiamiOH.edu>

Project Dragonfly also offers the Advanced Inquiry Program (AIP) master's degree that combines web instruction from Miami University with experiential learning and field study through several AIP Master Institutions in the U.S. Applications for Miami's 2019 cohorts are being accepted now with place-based experiences provided at zoos in Chicago, Cincinnati, Cleveland, Denver, New York, San Diego, Seattle, and our newest affiliate learning institution, St. Louis. <http://AIP.MiamiOH.edu>

Graduate tuition for all programs is greatly reduced because of support from Miami University.

Louisiana Science Teachers Association Newsletter (www.lsta.info)

LSTA Membership / Change of Address Form

Membership Dues (Check one box.)

- 1 year membership \$15.00
- 3 year membership \$40.00
- Full Time Student - 1 year membership \$10.00



Name: _____

Email Address: _____

***** Email must be provided to receive correspondences from LSTA (including the LASER)*****

- Check here if you are interested in receiving the science E-blast!

Alternative Email Address: _____

Parish: _____ School: _____

Preferred Mailing Address (Check one box): Home Work School

Contact Phone: _____

*****Helpful when serving on committees (not required)*****

Print and mail form with dues to:

LSTA Membership
1627 Taylor Street
Kenner, LA 70062

ALL CHECKS SHOULD BE MADE PAYABLE TO: LSTA