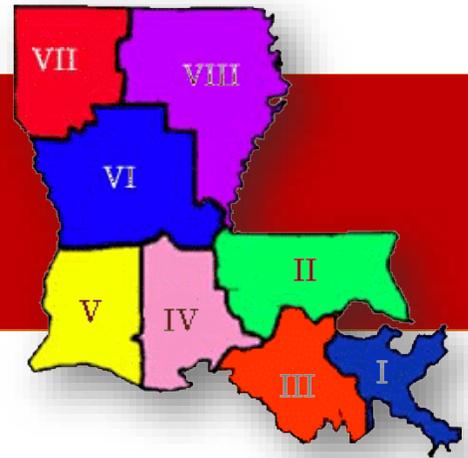


LSTA
NEWSLETTER

LASER



In This Issue

<u>President's Message</u>	3
<u>LSTA News/Awards</u>	4-8
<u>Regional News</u>	9-14
<u>Professional Development Opportunities and Resources</u>	14-29

LOUISIANA SCIENCE TEACHERS ASSOCIATION

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



February 2021 | Louisiana Science
Teachers Association

LSTA Board and Regional Representatives

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<p>Casey McMann Region 1 Representative cmcmann.research@gmail.com</p>	<p>Bianca Deliberto Region 2 Representative bianca.deliberto@zacharyschools.org</p>	<p>Wendy Delgado Region 3 Representative wendy_delgado@houmachristianschool.com</p>
<p>Annie Barras Region 4 Representative kabarras@iberia.k12.la.us</p>	<p>Vincent Caldwell Region 5 Representative vincent.cadwell@cpsb.org</p>	<p>Heather Warner Region 6 Representative heather.warner@rpsb.us</p>
<p>Stefani Farris Region 7 Representative Shfarris@caddoschools.org</p>	<p>Garrah Leshe Region 8 Representative leshe@opsb.net</p>	<p>Stephen Knight LASER Editor stephen_knight@saintmartinschools.org</p>
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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.

President's Message from Shauna LeBlanc



I hope you have had a great New Year! The LSTA Board held our first meeting of the year via Zoom Saturday, January 2nd. During the meeting we discussed ways to support our members. We realize these times remain difficult and that getting back with you face to face may take a little longer than we planned. For example, we will not hold our annual LSTA conference this upcoming year. As much as this saddens us to do so, we want everyone to know we have developed alternative ways to support our members.

Beginning March 6, 2021 at 9:00 am LSTA is launching a monthly [“Coffee Talk”](#) for members. At 9:00 am on the first Saturday of each month, we will host a special guest speaker. Each speaker will represent for approximately 15 minutes on a specific topic and the remainder of the hour will be dedicated to you, the members, to collaborate and discuss. Our hope is for you to leave the presentation with a new nugget of information and a renewed spirit as you visit with colleagues from around the state on various topics each month. Please be on the lookout for additional emails coming your way soon with more information about registration for these events.

Thank you to all who made your voices heard and sent letters and emails to your BESE board members regarding science testing in 3rd-8th grade. I am happy to report that LSTA has opened a line of communication with LDOE and we are so excited to nurture this relationship as we move forward.

The 67th Annual Louisiana State Science and Engineering Fair (LSEF) is being held virtually the week of March 22-26, 2021, for both Junior and Senior Division judging. Each year, LSTA recognizes three projects in Junior and Senior Divisions awarding each student a cash prize in the following amount: 1st (\$100), 2nd (\$75) and 3rd (\$50).

There are so many great things happening in science education. Please be sure to check out all of the wonderful opportunities for professional development listed in the resources section of the LASER.

LEAP assessment dates are getting close. If you haven't already, please access the [assessment resources](#) that are available on the LDOE web site.

And lastly, do you want to become more involved in science education in Louisiana? Do you enjoy sharing your expertise with others? Are you ready to take a step into a leadership role? Then LSTA needs you! [The 2021-2023 LSTA Board nominations are open!](#) Please consider nominating someone one you know or consider turning in an application yourself.

I would like to wish you all a Happy Valentine's Day and a safe and joyful Mardi Gras Season!

Yours truly,

Dr. Shauna LeBlanc

Complimentary LSTA Membership

LSTA understands how difficult these times are for science educators. We want to show that we are with you by doing our part to provide information about as many resources and opportunities that will help to alleviate some of the strain you may be feeling. Please click the link below to fill out an online form to register for your complimentary membership to LSTA (*effective now until August 31, 2021).

[LSTA Complimentary Membership Form](#)

NSTA is offering help to you during this COVID-19 struggle

To support all educators during this difficult time, NSTA is offering a free 30-day membership, providing you with access to more than 12,000 digital professional learning resources and tools. Simply [create an account here](#) and start developing your own personalized digital learning experience.

Nominations Open for Presidential Awards

The 2020-2021 nomination and application windows for Grades 7-12 mathematics and science teachers, including STEM courses, for the Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) program are now open. The PAEMST awards are the nation's highest honors for teachers of mathematics and science. Awardees serve as models for their colleagues, inspiration to their communities, and leaders in the improvement of mathematics and science education.

Presidential Awardees receive a certificate signed by the President of the United States, a trip to Washington, D.C., to attend a series of recognition events and professional development opportunities, and a \$10,000 award from the National Science Foundation. Awardees also join an active network of outstanding educators from throughout the nation.

Teachers must sign up to apply for or be nominated for the 2021 award by March 1, 2021. The application deadline is April 1, 2021. Sign up to apply for or nominate an educator at www.paemst.org.

Spring QSM Round opens February 1

Grants of up to \$1000 for approved materials are awarded to Louisiana public school teachers to provide quality science, math, and STEM classroom instruction.

All full-time classroom teachers assigned to teach science, mathematics, or STEM courses in a K-12 public regular education program, who was not awarded a QSM grant in the fall round, is eligible to apply in this round

- Requested materials must be for student use during classroom instruction
- Consumable supplies, subscription software, and fixed asset items are **NOT** funded
- Charter school teachers are eligible to apply
- More than \$100,000 available during this cycle
- Proposals will be accepted from **February 1 – March 5**

For more information about the program and to apply, please visit lsu.edu/qsm.

Call for Nominations

LSTA Needs You!

Call for Nominations for LSTA Board Positions.

Do you want to become more involved in science education in Louisiana? Do you enjoy sharing your expertise with others? Are you ready to take a step into a leadership role? The Louisiana Science Teachers Association (LSTA) needs you!



Nominations are now open for the next two-year term of office, November 2021-December 2023, for the following positions:

- President
- Vice-President
- Secretary
- Region 1 Representative
- Region 2 Representative
- Region 3 Representative
- Region 4 Representative
- Region 5 Representative
- Region 6 Representative
- Region 7 Representative
- Region 8 Representative

The LSTA Board typically meets four times each year either face-to-face or virtually. Duties of officers and regional representatives include attending board meetings, participating in various board projects including regional workshops, nominating and supporting colleagues for awards, and working at the annual conference. Regional representatives have the opportunity to serve their regions by informing members about opportunities in science education, sharing local science news for publication in each issue of the LASER, and facilitating regional workshops. Persons applying for the office of LSTA President are required to have previous Board experience.

Nomination packets should include the following:

- letter with a statement from the nominee accepting the nomination, the reason the nominee is interested in serving as an LSTA officer, what experience and knowledge the nominee would bring to the office, and how the nominee envisions the role of LSTA in science education;
- resume which includes but is not limited to teaching experience and current position; and
- maximum of three letters of support (not to exceed one page each);

President, Vice President, Secretary positions only:

- brief bio (100 words or less) explaining how they can benefit science educators as a leader of LSTA
- photograph is preferred

Nomination packets should be sent to:

Patrice Mire
15537 S. Liberty Farm Rd.
Kaplan, LA 70548

Electronic copies should be sent to: patricemire16@gmail.com. All nomination packets must be postmarked on or before Sunday, August 29, 2021. All electronic packets must be received by midnight Sunday, August 29, 2021. Nominees will receive acknowledgment of receipt of their nomination. The nominating committee, chaired by LSTA Past-President, Patrice Mire, will select two nominees per office for the final ballot. Ballots will be distributed to active LSTA members in October via electronic message. Election results will be announced at the 2021 Virtual LSTA Awards Event in November or December and officers will immediately assume their positions.

LSTA Awards

LSTA honored its 2020-2021 award winners with a virtual ceremony held at 6:00 p.m. on January 19, 2021. The guest speaker was NSTA President Dr. Beth Allan. Congratulations to this year's outstanding science educators who have made a difference in the lives of Louisiana's teachers and students.

LSTA Essie Beck "Rising Star" Science Education Award

Sara Johnston

Ruston Junior High School
Ruston, LA

LSTA Outstanding Middle School Science Teacher of the Year

Ricky LeBlanc

Lisa Park Elementary
Houma, LA

LSTA John Dempsey Outstanding Secondary School Science Teacher of the Year

Steven Babcock

University Laboratory School
Baton Rouge, LA

LSTA Distinguished Informal Science Education Award

Venise Ortego

Education Program Consultant 2
Louisiana Department of Education
Office of Academic Content
Lafayette, LA

LSTA William Craig Outstanding University Educator Award

Dr. Lindsey Keith Vincent

Associate Dean for Research, Outreach, and Innovation
College of Education
Louisiana Tech University
Ruston, LA

LSTA Claudia Fowler Distinguished Service to Science Education Award

Andrea Walker

SRC Chair
Greater New Orleans Science and Engineering Fair/FIRST Robotics
New Orleans, LA



Coffee Talks

The Louisiana Science Teachers Association board would like to spotlight a few announcements for this year.

- Free membership has been extended to all current members until August 31, 2021.
- Any non-members can join LSTA for free with membership expiring August 31, 2021. Please encourage colleagues to sign-up through the [LSTA Complimentary Membership form](#).
- Members have the ability to log-in to the LSTA website to **update their contact information**.
- **Monthly virtual “Coffee Talk” sessions** will be offered to LSTA members the first Saturday of each month from 9:00 -10:00 am. **Registration is required**, and the registration form is only accessible by logging into the LSTA website ([Log in instructions](#)).
- Any non-members that would like to register for a “Coffee Talk” session should register to become a member through the [LSTA Complimentary Membership form](#). Membership confirmation emails will be sent once processed. Then, new members can register for a “Coffee Talks” session.



COFFEE TALK



Grab a cup of joe and join us for a morning session of collaboration, sharing, and fun!

THIS MONTH'S SPECIAL GUEST



Garrah Leshe
Region 8
Representative

AGENDA

- What works? Teaching science online
- Open Mic

MARCH 6, 2021 - 9:00 - 10:00 AM

Free to members!

Not a member of LSTA? [Join now!](#)

REGISTER HERE!



In Memoriam



“There are not many memories I have from high school of teacher guided activities. However, there was one instance in which my teacher brought ‘organisms’ she discovered in her ditch. These white organisms were bobbing to the surface in dark water. The excitement of the teacher carried over to the class while we observed the organisms, which we found out later were simply raisins in soda. This hook set the tone for that day’s lesson. Twenty years later, as an educator myself, I came across that same teacher in a program called WETshop. Her passion for the environment was evident as she conducted the weeklong workshop, inspiring teachers to be stewards of the environment. Bringing the same exuberance she did many years earlier, she was able to educate other educators who then passed this knowledge on to hundreds of others. This teacher was Angela Capello.” - Pierre LaCaze, LSTA Vice President

The LSTA board is saddened to share the news that former LSTA member and 2003 LSTA Distinguished Informal Science Educator recipient, Angela Capello, has passed away. Angela was a key figure over the last 20 years in shaping informal education in our state. An annual exhibitor at conferences, she was always supporting science teachers through her position with the Louisiana Department of Wildlife and Fisheries. She was one of the first state partners for the Science Matters network in Louisiana

Angela Capello taught biology and chemistry at Bolton High School for two years. She then began her informal education career with LDWF in April 1997. Over her 23 years of public service with LDWF, Angela played a significant role in developing and teaching aquatic education classes and programs enjoyed by countless numbers of children and adults throughout the state. Some of the programs Angela created or contributed to are Becoming an Outdoors Woman, the Aquatic Volunteer Instructor Program, WETshop, Native Fish in the Classroom, LA Black Bear Workshop, Upland Wetlands Workshop, Hands on Outdoor Training (HOOT) Camp, Families Understanding Nature (FUN) Camp, Booker Fowler Fish Hatchery tours and education materials, Cenla National Hunting and Fishing Day, Archery in Louisiana Schools, Teacher Activity Guides and Curriculum, and numerous Aquatic Clinics and Camps throughout the state.

Angela was passionate about fisheries biology and mentoring/educating Louisianan’s across the state, as was frequently demonstrated in her training of numerous volunteers and educators. She was happy to share her knowledge serving on numerous coastal education boards and commissions and was a key figure on the Louisiana Environmental Education Commission for 20 years. Angela was the force behind the exhibitor area at the annual Environmental Education Symposium



Her passion and commitment to informal science education was not overlooked. Over the course of her career, Angela also received the Outstanding Educator Award from the Southern Association of Marine Educators (2004) and Coastal Stewardship Award from the Coalition to Restore Coastal Louisiana (2009).

We extend our condolences to her family, friends, and colleagues.



Regional News

Region I ✦

Please submit news for Region 1 to **Casey McMann** at cmcmann.research@gmail.com.

✦ Region II ✦



The **Louisiana Art and Science Museum** has released "Our Louisiana", an exhibit that explores Louisiana's history and culture through objects from LASM's permanent collection. Featuring artwork in a variety of media by Louisiana-born and Louisiana-based artists, the exhibition is divided into the categories of Nineteenth Century Art; Modern Art; Contemporary Art; Baton Rouge Art; and Self-Taught Art, Folk Art, and Craft. Organized by the Louisiana Art & Science Museum and curated from its collection will be on view until January 14, 2024. In the coming months, an immersive virtual tour of *Our Louisiana* will be added to LASM 360 at virtual-lasm.org/lasm-360.



Each year as part of the Computer Applications class of **Mr. Abraham Delos Reyes** at **Baton Rouge International School (BRIS)**, students are challenged with coding an app of their own concept and design, encouraging them to harness their creativity to solve real-world problems. This year, **BRIS** put in an impressive showing with three students recognized among the 2020



Congressional App Challenge award winners for the 6th Congressional District of Louisiana, two of which held both the first and second place spots in the

competition. Ninth-grader **Mackenzie LaCombe** won first place for her project Get Hooked!, an app that helps people learn how to crochet. Her project was also voted the "Most User-Friendly" app. As the official winner, Mackenzie has been invited to Washington, DC, to represent the 6th Congressional District of Louisiana for the 2021 #HouseofCode, a reception for all Congressional District winners to present their apps in the U.S. Capitol for all Members of Congress to view. Mackenzie's app will be featured in the U.S. Capitol for one year. She also received public recognition and a personal congratulatory phone call from U.S. Congressman Garret Graves. **AJ Delos Reyes** (Grade 10) placed second, just behind Mackenzie, with his Handi Organizer, an app that would improve the quality of life for the handicapped. This app allows the users, who are handicapped, to organize physical activities and sporting events, whether social or competitive. AJ was also recognized as "Most Likely to be an Advocacy Champion." **Lakenedi Walker** (Grade 9) received an Honorable Mention for her Get Rhythm Now! an app that helps people find their rhythm in dancing. Lakenedi's project was also recognized as the app "Most Likely to Go Viral" and "Best Energy." The Congressional App Challenge is an initiative of the U.S. House of Representatives, where Members of Congress host contests in their districts for middle school and high school students to help inspire innovation and learning in coding and computer science. Congratulations to each of our Congressional App Challenge winners. We are extremely proud of their hard work, determination, and creativity. Geaux Falcons!

Livingston Parish educator, **Karen Parrino**, a kindergarten teacher at **North Live Oak Elementary** recently attended the **Louisiana Energy Education Workshop**. It was an awesome day filled with lots of learning. We made several projects, including a "Solar Oven". Attached is one of her students, **Audra Foil**, enjoying "Solar Smores" made in the Solar Oven.

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



The West Fel Explorers, a group of students from **West Feliciana Middle School** won the My Tree Louisiana competition sponsored by Baton Rouge Green and held on GIS Day. They won in the categories of most diverse species identified and most gallons of storm water intercepted by an individual tree by measuring the Great Bald Cypress at Cat Island National Wildlife Refuge. Students identified and measured trees around the school campus. They also collaborated with a group of students from Bains Lower Elementary virtually to share about the project and ask for their help. All of the data collected was entered into the MyTreeLouisiana.org website so that students could analyze the benefits of various tree varieties to local environments.

On January 14, 2021, **Latrenda Knighten** along with Dave Barnes (NCTM Associate Executive Director), Trena Wilkerson (NCTM President), Christine Anne Royce (Past-President, NSTA), and Amy Alznauer hosted a webinar for the **STEM Teacher Leadership Network**, titled **Connecting Mathematics and Science through Literature and Storytelling**. The webinar was a partnership between **NCTM (National Council of Teachers of Mathematics)** and **STEM Teacher Leadership Network**. During the webinar, the panel highlighted the intersection of literature and storytelling with mathematics and science as an incredible opportunity to make connections for students and teachers. Use this [link](#) to access the webinar recording, associated resources, join the discussion on Connecting Mathematics and Science through Literature and Storytelling, and download a synthesis brief.

Please submit news for Region 2 to **Dr. Bianca Deliberto** at bianca.deliberto@zacharyschools.org.

✦ **Region III** ✦

Students in Mr. Ty Wallace's Physics class at Houma Christian School made water bottle rocket cars while studying speed, acceleration, kinetic energy, and momentum.



7th graders in Mrs. Wendy Delgado's science class are using the microscope to study mitosis and meiosis.



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

Ms. Angela Farnell's 6th grade students at West St. John Elementary in St. John the Baptist Parish School System was actively engaged in an experiment Hybrid and Virtually - "Can We Prove a Substance is Food?" The students tested rice, whole milk, egg white, honey, butter, and water for the presence of carbohydrates (sugar or starch), protein or fat.



Please submit news for Region 3 to **Wendy Delgado** at wendy_delgado@houmachristianschool.com.

✦ **Region IV** ✦

Fourth Grade Explores Wind through Engineering Design



Most teachers agree that classroom collaboration looks much different this year as compared to other school years. At **North Lewis Elementary** in Iberia Parish, in **Ms. Agnes Smith's** fourth grade science class, students typically work together in groups throughout the year on engineering design and other science related projects. But this year, her students are not able to sit together or share materials. Recently, during one of their Great Minds Modules, they were learning about wind and other types of energy. In order to get them engaged in the material, Ms. Smith adapted their end of module, culminating project and changed it from an in class small group activity to an at home individual one. Students worked their way through the engineering design process using a combination of class discussion and collaboration and individual construction. Students were given a week and a half to complete their windmills and then spent two days presenting and explaining their designs to their peers and answering questions

about their thinking. The students displayed their creations in the halls for other classes and grades to see. Ms. Smith says that altering the project to make learning safe and effective for her students was a win-win. She is already planning future projects for the remainder of the year.

Please submit news for Region 4 to **Annis Barras** at kabarras@iberia.k12.la.us.

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

✦ **Region V** ✦

7th grade students at **Oak Park Middle School** investigate the cause of gas bubbles created when bath bombs react with water.



8th grade students at **Oak Park Middle School** collect data of chemical reactions found in nature.



Mrs. Nonette's Advance Biology class at **Washington Marion High School** design and test a device to help strengthen the bicep.



Please submit news for Region 5 to **Vincent Caldwell** at vincent.cadwell@cpsb.org.

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✦ Region VI ✦

Please submit news for Region 6 to **Heather Warner** at heather.warner@rpsb.us.

✦ Region VII ✦

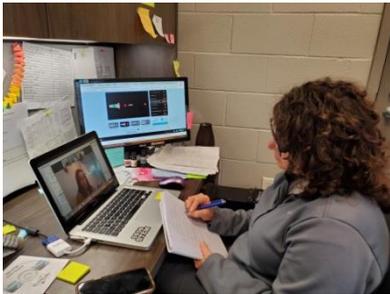
Please submit news for Region 7 to **Stefani Farris** at Shfarris@caddoschools.org.

✦ Region VIII ✦

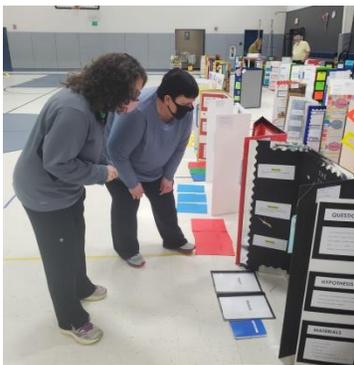
Congratulations to **Sara Johnston** (Ruston Junior High School) and **Missy Wooley** (Lincoln Parish STEM Center) for being named 2020-2021 Teacher Leader Advisors for the Louisiana Department of Education! Sara also received the LSTA Essie Beck “Rising Star” award while **Dr. Lindsey Keith Vincent** (Louisiana Tech University SciTEC) was named the William Craig Outstanding University Educator Award winner.

Missy and **Cathi Cox-Boniol** (Lincoln Parish, retired) completed the last phase of training with OpenSciEd during December, engaging in the Floods and Droughts unit for Earth Science, before returning for a follow-up session in January.

Missy and Cathi were part of the team that assembled to judge the **Choudrant Elementary** School Science Fair while Cathi participated in an ITEEA Engineering by Design Consortium Directors meeting where she also engaged in the focus group for the marketing and branding of the organization. In addition, Cathi was also named to the Editorial Review Board for ITEEA’s *Elementary STEM Journal*. Following their successful interactive “Cultivating Creativity” presentation for the NSTA Engage Fall20 Virtual Conference, Missy and Cathi have been selected to repeat the session for the upcoming international ITEEA Virtual Conference focused on “Where Technology and Engineering Come to Life.”



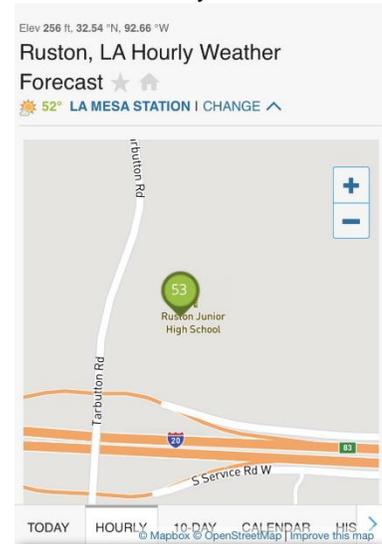
OpenSciEd Training (Missy Wooley working on a simulation, Cathi Cox-Boniol building models, Missy Wooley engaged in model activity)



Missy Wooley and Cathi Cox-Boniol judging the Choudrant Elementary science fair
 The Science Department of Ruston Junior High School recently set up an Acurite 5-in-1 weather sensor in conjunction with an upcoming Open Sci-Ed curriculum unit. The unit examines the

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

weather, climate, water cycling and has a major focus on precipitation. RJHS science teacher, Kristina Bourgeois, set up the station so students can monitor precipitation amounts, temperature, relative humidity, barometric pressure, and also wind speed and direction. The Acurite station is linked to the weather application, "Weather Underground" and is discoverable on its app as the La Mesa Station due to its close proximity to the neighborhood. Students will collect data from the weather station and compare it to various locations around the world. They will also use the station to make short term weather predictions in conjunction with other activities throughout the Open Sci-Ed curriculum unit. RJHS plans to install other weather stations in and around Ruston for students to be able to monitor the weather in the Ruston community.



Please submit news for Region 8 to **Garrah Leshe** at leshe@opsb.net.



COFFEE TALK



Grab a cup of joe and join us for a morning session of collaboration, sharing, and fun!

THIS MONTH'S SPECIAL GUEST



Garrah Leshe
Region 8
Representative

AGENDA

- What works? Teaching science online
- Open Mic

MARCH 6, 2021 - 9:00 - 10:00 AM

Free to members!

Not a member of LSTA? [Join now!](#)

REGISTER HERE!

Professional Development Opportunities and Resources

Louisiana Science Leaders Corner

Science Leaders' Corner Are you a district science supervisor, science content specialist, science master teacher, Teacher Leader or science coach? If so, consider becoming a member of LASL, the affiliate of the National Science Education Leaders Association (NSELA).

With School Plans in Flux, 3 Leadership Strategies to Prioritize—and 2 to Avoid

After spending the last six months helping school leaders around the country design and implement their reopening plans, here are three leadership strategies to prioritize—and two to try to avoid—in order to provide teachers, students and caregivers a smoother experience to start the school year. https://www.edsurge.com/news/2020-09-22-with-school-plans-in-flux-here-are-3-leadership-strategies-to-prioritize-and-2-to-avoid?MessageRunDetailID=3420046596&PostID=19877838&utm_medium=email&utm_source=rasa_io

Nature of Science Lessons from the National Center for Science Education

NCSE's Teacher Ambassadors are developing five nature of science lesson plans. It's imperative that all students have a basic understanding of the scientific process. By completing these lessons, students will understand how science works and that the process of science is ongoing and continually evolving as new evidence emerges. They will also gain valuable skills in evaluating the validity of online resources and popular media content that pertains to scientific experimentation and study. <https://ncse.ngo/supporting-teachers/classroom-resources>

March 2nd National Read Across America Day

Here are some science reading suggestions for those participating in the National Read Across America Day honoring Dr Seuss

Grades PK-2

The Magic School Bus: Wet All Over, by Joanna Cole (About the water cycle!)

Did a Dinosaur Drink this Water? by Robert E Wells

The Tiny Seed, by Eric Carle (Includes seasonal changes as well as plant biology)

A House for Hermit Crab, by Eric Carle (It's a fictional story with accurate ecology)

The Snowflake, by Neil Waldman (Water and seasons, although there aren't many snowflakes in LA!)

Down Comes the Rain, by Franklyn Branley

Grades 3-5

What a Waste: Trash Recycling and Protecting the Planet, by Jess French

Spring After Spring: How Rachel Carson Inspired the Environmental Movement, by Stephanie Roth Sisson

The Magic School Bus and the Climate Challenge, by Joanna Cole and Bruce Degen

Stone Girl Bone Girl: A Story of Mary Anning, by Laurence Anholt (Mary Anning was one of the first female fossil hunters.)

Climate Change: Discover why global warming is happening and how it is changing the planet, DK Eyewitness (Nonfiction)



Chemical Educational Foundation Workshops



What is You Be The Chemist Essential Elements?

Essential Elements is a professional development workshop series for K-8 educators. During the workshops, participants dive into the 5E Instructional Model and science topics and learn best practices to implement inquiry-based activities in their own classrooms while engaging all learners. Educators of all backgrounds and experience levels can benefit from these workshops. Every participant receives resources so they can implement hands-on learning the very next day. Essential Elements workshops are offered at NO COST to educators and schools thanks to the generous support of CEF's industry partners.



How do I participate in an Essential Elements workshop?



Completing a workshop and earning a continuing education credit is now easier than ever as we have four workshops available online! Our teacher professional development workshops give educators the confidence they need to bring hands-on science to their students. Workshops focus on the 5E Instructional Model, Weather, Life Sciences, and Space. These are available on demand and completing the full workshop can earn you a continuing education credit.

How will I receive my continuing education credit?

Click on the titles on the following page to access the registration page for each workshop. You will be required to watch the whole pre-recorded workshop and complete a pre- and post-workshop survey as well as an implementation survey to receive a continuing education credit.

I was told about a \$250 incentive, what is that about?

If you were given information about our virtual Essential Elements workshop by a Certified Instructor, you have an opportunity to win a \$250 Amazon gift card. All you have to do is participate in the workshop and on the pre-workshop survey, select the name of your referring Certified Instructor, **Cathi Cox-Boniol**, from the dropdown menu. A random drawing will happen in June for the prize! The more workshops you complete, the more times your name will be entered (maximum of four).



Workshop Titles and Links to Each Virtual Presentation**Introduction to the 5E Learning Model**

[Click here](#) to access the registration page for this workshop

Weather and Sustainability

[Click here](#) to access the registration page for this workshop

Life Sciences

[Click here](#) to access the registration page for this workshop

Space

[Click here](#) to access the registration page for this workshop

LASM Virtual Experience

Create Chemistry with BASF & LASM at virtual-lasm.org/basf!



The Louisiana Art & Science Museum (LASM) provides hours of engaging content, including hands-on activities and 360 virtual tours, hosted on its digital platform for at-home STEAM learning, virtual-lasm.org! Organized by grade level, this free resource for teachers, parents, and students opens up an exciting world of possibilities for lifelong exploration.

New to virtual-lasm.org is “Create Chemistry with BASF & LASM,” which includes chemistry experiments that are easy to enjoy with your students regardless of whether they are learning in a totally virtual, in-person, or hybrid environment. Last month, we released “Candy Loves Chemistry” – a sweet and colorful chromatography experiment created in partnership with BASF and in collaboration with Girl Scouts Louisiana East. Access this experiment and more chemistry fun at virtual-lasm.org/basf and <https://basf.kids-interactive.de/us-en>.

Virtual programming at virtual-lasm.org/basf is generously sponsored by BASF.



Our Louisiana at LASM



Our Louisiana, on view until January 14, 2024, explores Louisiana's history and culture through objects from LASM's permanent collection. Featuring artwork in a variety of media by Louisiana-born and Louisiana-based artists, the exhibition is divided into the categories of Nineteenth Century Art; Modern Art; Contemporary Art; Baton Rouge Art; and Self-Taught Art, Folk Art, and Craft. Organized by the Louisiana Art & Science Museum and curated from its collection, *Our Louisiana* is on view on the first floor of the main gallery.

"We are excited to present *Our Louisiana* to our community," stated Serena Pandos, LASM President & Executive Director. "This exhibition will not only

resonate with residents of our beloved state, but will also educate and engage out-of-town visitors on the gumbo of culture that is uniquely 'Our Louisiana.' As a museum, our duty is to care for the objects held in our collection, and to tell the story that these objects hold—to preserve our rich natural and cultural inheritance, both tangible and intangible."

Pandos continues, "With this exhibition, treasures from the LASM vault were carefully selected to include works by 31 different artists from our region whose work, in some way, expounds upon the significant connection between art and science. We hope people will find it as profound and meaningful as we do, and we encourage folks to come out (safely) and see what there is to see!"

Featured in the exhibition are works by Louisiana legends including Conrad Albrizio, John James Audubon, Fritz Bultman, Elizabeth Catlett, Michael Crespo, Caroline Durieux, Lin Emery, Knute Heldner, Ida Kohlmeyer, Paul Ninas, Edward Pramuk, Hunt Slonem, and Margaret Stones.

"I am still in awe of the connections that each of these works of art share," stated Lexi Adams, LASM Curator. "Each object and artist has contributed to the development of art in our state. As I previously served as LASM's Collections Manager for more than five years, I am intimately familiar with these works. Seeing them displayed together for the first time in this context is a great moment for the Museum's collection. We hope that visitors come back again and again to view this exhibition, returning to their favorite artwork and discovering something new and inspiring each time."

LASM has been a collecting institution since its founding in 1962. The growth of the collection has been guided by the service of members of the Board of Trustees, particularly the Board Collections Committee, and the efforts of the staff. The objects in the permanent collection have come to the Museum's care through donations, bequests, and purchases.

Our Louisiana will be presented at LASM as part of an ongoing strategic initiative to provide public access to LASM's permanent collection, which is comprised of more than 4,000 objects. Exhibition objects will rotate periodically.

"We are developing programming that we will present in conjunction with this exhibition," continued Adams. "There are so many opportunities for visitors of all ages to learn from these objects—previously under lock-and-key in the collections vault—through workshops, hands-on activities, lectures, and more. Stay tuned for more information!"

In the coming months, an immersive virtual tour of *Our Louisiana* will be added to LASM 360 at virtual-lasm.org/lasm-360.

Image 1: Conrad Albrizio, *Jordan*, 1935-1937. Oil on panel. Louisiana Art & Science Museum Collection, 1984.006.001

Image 2: Visitors enjoying *Our Louisiana* on its opening day, January 16, 2020.

Our Louisiana is sponsored by the Olin Corporation and Entergy. The exhibition is also supported by a grant from the Louisiana Division of the Arts, Office of Cultural Development, Department of Culture Recreation and Tourism, in cooperation with the Louisiana State Arts Council. Funding has also been provided by the National Endowment for the Arts.

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

STEM activities and videos from hands2mind

The teach@home website <https://www.hand2mindathome.com/> has STEM activities and daily videos by Brooke Brown
Free lessons: <https://www.hand2mind.com/brands/learning-at-home> &

videos: <https://www.hand2mind.com/resources/videos>

**Virtual Manipulatives 30 Day free download: <https://www.brainingcamp.com/hand2mind/>

**Math Fluency webinar on April 14th. Click the link to

register: <https://register.gotowebinar.com/register/2020682874667298572>

Keep Louisiana Beautiful Healthy Communities Grant

The purpose of the Healthy Communities Grant (HCG) is to provide funding to support local projects and programs that will bring about behavioral changes needed to improve, preserve and protect the natural beauty of Louisiana. KLB seeks to fund projects and programs that have a measurable, sustainable impact on one or more of the identified focus areas. **Focus areas include litter and waste reduction, recycling, reusing, litter enforcement, and environmental education.** Interested applicants must submit a Letter of Intent and be invited to formally apply for the Healthy Communities Grant. The Letter of Intent will be evaluated based on the strength of the answers outlined in the Letter of Intent Guidelines.

The HCG Letter of Intent will be accepted by mail or email from January 1, 2021 to March 5, 2021. Letters will not be accepted after midnight Central Time on March 5, 2021.

This is a reimbursement grant that funds projects/programs from \$2,500 to \$8,000. Reimbursements will be dispersed, upon receiving proper receipts and reports on December 1, 2021 and May 1, 2022. At least a 10% match in the form of cash, in-kind or volunteer services is required. The value of volunteer services should be computed at the hourly rate of \$23.51 per hour (Independent Sector, Louisiana state rate, 2019).

Eligibility Louisiana non-profit 501(c)(3) organizations, governmental agencies, schools and universities, KAB affiliates and pre-certified affiliates located in Louisiana are eligible to apply. Individuals, KLB board members and staff are not eligible to apply.

The first step of the application is to submit a Letter of Intent, due March 5, 2021. For specific info and instructions, visit these sites:

<https://keeplouisianabeautiful.org/healthy-communities-grants/>

<https://keeplouisianabeautiful.org/wp-content/uploads/2021/01/HCG-Overview-and-Letter-of-Intent-Guidelines-1.pdf>

Youth Wetlands Program Online Learning Platform

Youth Wetlands Program online learning platform was now available. Teachers can sign up for free to gain access to lesson, activities, and other distance-learning resources. I'm including a link to the press release that went out from LSU AgCenter about the site. (<https://www.lsuagcenter.com/profiles/jmorgan/articles/page1611327199513>)



Louisiana Virtual Energy Workshop

2021 LOUISIANA VIRTUAL ENERGY WORKSHOP
 Sponsored by the Louisiana Energy Office in partnership with The NEED Project
MARK YOUR CALENDARS AND REGISTER TODAY!

Available Workshops:
 Click date below to register. Registration closes 10 days prior to the workshop to allow for shipping of supplies to participants.
[Tuesday, January 26, 2021](#)
[Saturday, March 20, 2021](#)

Why attend?

- FREE to attend, thanks to Energy Office support!
- \$50 in teaching supplies pre-workshop
- Science of Energy Kit delivered post-workshop
- Virtual teaching tips and creative ideas
- Louisiana standards aligned curriculum

WHO SHOULD ATTEND?

- K-5th grade educators
- 6th – 12th grade science teachers
- CTE Teachers
- Extracurricular/Afterschool/Club Leaders

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

ABOUT THE NEED PROJECT

The NEED Project designs and delivers teacher-tested educational materials, evaluation techniques and tools, recognition of student achievement, and professional development for educators. NEED materials and training programs provide comprehensive, objective information about the scientific concepts of energy and the sources of energy – their use and their impact on the environment, the economy and society.

Thanks to our Sponsor



Louisiana State Energy Office

Don't Miss These Opportunities.**EPA PEYA and PIAEE**

Call for Nominations for the 2021 President's Environmental Student and Teacher Awards

The EPA's Office of Environmental Education is now accepting applications for the 2021 President's Environmental Youth Awards (PEYA) and Presidential Innovation Awards for Environmental Educators (PIAEE). The program recognizes outstanding students and educators who have advanced environmental stewardship in a range of environmental topics, including marine litter and ocean pollution. Applications for both awards programs are due no later than February 19, 2021. To learn more about the PEYA and PIAEE awards, click here <https://www.epa.gov/education/presidents-environmental-youth-award> and here. <https://www.epa.gov/education/presidential-innovation-award-environmental-educators>

Gulf of Mexico B-WET

NOAA Fisheries is now seeking proposals under the Gulf of Mexico Bay Watershed Education and Training (Gulf B-WET) Program. Learn more at the [Gulf B-WET webpage](#). The full FY21

Applications must be received by 11:59 p.m. Eastern Time on **February 26, 2021**. Notice of Funding Opportunity can be found at the following direct link:

<https://www.grants.gov/web/grants/view-opportunity.html?oppId=330269>

PAEMST

The 2020-2021 nomination and application windows for Grades 7-12 mathematics and science teachers, including STEM courses, for the Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) program are now open. The PAEMST awards are the nation's highest honors for teachers of mathematics and science. Awardees serve as models for their colleagues, inspiration to their communities, and leaders in the improvement of mathematics and science education. Teachers must sign up to apply or be nominated for the 2021 award by March 1, 2021. This year the application deadline is April 1, 2021. [PAEMST » Home](#)

Workshop NEED

Saturday March 20th, 8:45 am – 2:45 pm

- \$50 in teaching supplies pre-workshop
- Science of Energy Kit delivered post-workshop
- Virtual teaching tip and creative ideas
- Louisiana standards aligned curriculum

WHO SHOULD ATTEND?

- K-5th grade educators
- 6th – 12th grade science teachers

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

-Extracurricular/Afterschool/Club Leaders

<https://www.need.org/event/2021-louisiana-energy-education-workshop-2/>

LADOE Science Content Bias Review Committee

The LDOE is recruiting teachers for the upcoming Science Content/Bias Review Committees. The link to register can be found on our website here: https://www.louisianabelieves.com/docs/default-source/assessment-guidance/assessment-development-educator-review-committees.pdf?sfvrsn=3bbe931f_48.

The IPAA/PESA Energy Education Center is excited to share 4 opportunities with educators and high school students who are interested in learning about the energy industry. Starting **today** teachers and students are invited to view a repository of videos gathered from all areas of energy to help in supporting energy education and introduce the vast array of careers available within this ever-growing industry. This is a great way for high school students to travel virtually to the energy workforce!

[Program Information Page](#)

Teacher Incentive

If you are a high school teacher and assign 100 or more students to take part in the Virtual Exploring Energy Program submit the Teacher Incentive Form found below. The first 50 teachers who submit the form will receive a \$75 Amazon gift card. All additional teachers will be entered into 3 additional drawings for more Amazon gift cards!

[Teacher Incentive Form](#)

Student Video and/or Essay Contest

High school students are invited to enter our national competition to win Amazon gift cards by simply watching 5 or more of the Exploring Energy videos and submitting a short essay or video! Winners will be featured on our website and social media. View and submit the Student Entry Form below.

[Student Entry Form](#)

Emerging Leaders in Energy Program

Please share with your high school juniors and seniors, who are looking to join a professional organization in energy, that the Independent Petroleum Association of America offers them the opportunity to be part of their Emerging Leaders in Energy Program **free of charge**. This is an organization that will help them gain updated energy industry knowledge and a group that they can continue to be part of post high school. Please provide your students with the Emerging Leaders in Energy Flyer below.

Emerging Leaders in Energy Flyer

We know at this time there is much stress in the school system and hope this opportunity brings some fresh knowledge and fun to the classroom and home learners.

To find out who we are, and to learn more about us, [visit our website](#) and [watch this short 5 minute video](#).

Land Loss Lookout Project

Hello friends! My name is Naomi, and I am on the Science Team staff at [Healthy Gulf](#). I want to tell you about an exciting new website that illustrates coastal land loss in Louisiana, and helps us to understand this urgent issue. The website gives users a chance to interact with photographs of coastal lands, and we all benefit by learning about the coast. I hope you will join us in looking out for our coast.

Our new website is "[Land Loss Lookout](#)", developed in partnership by Healthy Gulf and Cartoscope. It's a citizen science project, so everyone's work contributes to our in-depth understanding of the issue. We made Land Loss Lookout to give regular folks without access to boats or planes the opportunity to look over patterns of wetland loss in Louisiana's Gulf Coast.

Coastal Louisiana is losing land rapidly. There are several reasons for this. Climate change and sea-level rise are already drowning certain areas, and this will be the primary cause of marsh loss into 2067.

In other areas, drilling and producing oil and gas has often damaged the land. Canals and trenches have been dug and cut, often disrupting the natural flow or drainage of water. Once the water does not flow freely, areas that were once land begin to drown from these impoundments.

In Land Loss Lookout, observers will learn about these and some of the other causes of coastal land loss, by looking at aerial infrared photographs. By using Land Loss Lookout, not only will observers gain valuable knowledge about wetlands and coastal land loss, but they'll get to see some cool places in the Gulf, from a bird's eye view!



Grab a cup of joe and join us for a morning session of collaboration, sharing, and fun!

THIS MONTH'S SPECIAL GUEST

Garrah Leshe
Region 8
Representative

AGENDA

- What works? Teaching science online
- Open Mic

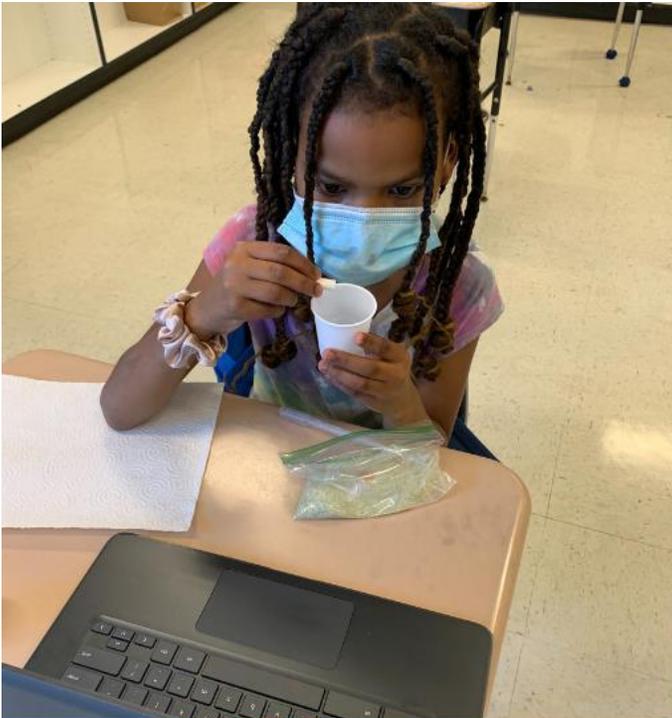
MARCH 6, 2021 - 9:00 - 10:00 AM

Free to members!

Not a member of LSTA? [Join now!](#)

REGISTER HERE!

Tulane Center for K-12 STEM Education



— TULANE —
CENTER FOR
K-12 STEM
EDUCATION

**VIRTUAL GIST/BATS
SPRING 2021
-MARK YOUR
CALENDARS!**

***January 30
February 13
March 20
April 24***

**Registration will open in
the New Year!**

National Geographic Launches COVID-19 Remote Learning Emergency Fund for Educators

Fund supports teachers designing innovative resources and methods during the pandemic

[October 6, 2020] WASHINGTON, D.C. – Educators are among the many on the frontlines of COVID-19. During a time of immense disruption, they are adapting their teaching methods, testing new skills, and discovering new solutions to advance learning in profoundly new ways. To support these efforts, the National Geographic Society is launching a fund for K-12 educators who are designing instructional resources to help other educators teach in remote- and hybrid-learning environments.

The fund aims to support at least 50 teaching professionals, including formal and informal classroom educators, with grants ranging from US\$1,000–8,000. Applicants can apply individually, in collaboration with other educators, or with National Geographic Explorers. Once developed, the resources will be freely available on the National Geographic Society [education website](#) and within the National Geographic education communities on [Twitter](#) and [Facebook](#), for use across different schools and communities, to support as many educators and students as possible.

“The role of teachers has never been more important as they work tirelessly to engage and inspire their students in a socially distant world,” said National Geographic Society Chief Education Officer Vicki Phillips. “Our goal is to equip educators with the resources and support they need to continue creating, innovating and pioneering new ways of teaching so their peers and their students can continue growing.”

The fund places particular emphasis on remote- and hybrid-learning resources, methodologies, and practices that use the power of science, social studies and geography to help students understand the significance of current and complex challenges such as a global pandemic.

Other priorities include, but are not limited to, resources that:

- Adapt one of National Geographic’s science or social studies units for elementary, middle, or high school students (refer to our [Resource Library](#) for reference) to address each group’s curricular needs and for use in a hybrid-learning environment; and develop a complementary teacher’s guide.
- Design innovative ways to bring the world to students and help them bridge their personal experiences to a more global perspective on critical issues (such as sustainability, climate, social or environmental justice, and racial justice).
- Draw on the concepts and pedagogy in the National Geographic [Learning Framework](#) or the National Geographic [Geo-Inquiry Process](#) to design instructional resources or projects that meet the goals of this opportunity.

To see all application guidelines, educators are encouraged to apply at NatGeoEd.org/covidgrants. All submissions will be reviewed on a rolling basis and applications may be submitted until further notice.

Priority will be given to teachers working in communities that have been particularly hard hit by the pandemic, and who have not previously received National Geographic funding. We strive to identify, support and elevate a range of educator voices, perspectives and communities.

To provide additional guidance during the application process, the Society is offering weekly virtual “Design Labs” for educators to talk directly with their peers and Society staff for ideation, inspiration and technical support. Educators can also ask questions by visiting @NatGeoEducation on [Twitter](#). To see the full list of support options for teachers, visit NatGeoEd.org/covidgrants.

The emergency fund for educators is part of National Geographic’s ongoing effort to support its global community of scientists, explorers, educators and storytellers during these challenging times. In March, the National Geographic Society announced the [COVID-19 Emergency Fund for Journalists](#) to support local coverage of the pandemic and its impact on communities. The announcement ultimately prompted more than 2,300 applications, resulting in over 150 grant recipients, representing over 50 countries.

ITEEA March 2021 Conference to be 100% Virtual

After extensive consideration and deliberation, including feedback from a variety of conference stakeholders, ITEEA has determined that its 2021 conference will take place in a 100% virtual format.

The conference dates remain unchanged, March 24-27, 2021, but some daily scheduling may be altered to better accommodate virtual attendees and presenters.

Concerns regarding hosting a Face-to-Face or hybrid conference in March of 2021 became clear as a result of ITEEA's recent survey, as well as through direct communication from leaders in the field from around the world. Only a fraction of survey respondents felt confident about the ability to travel and attend an in-person conference. Meanwhile, the vast majority expressed interest in attending virtually due to the level of certainty and predictability that a virtual conference provides during the ongoing pandemic.

Large numbers of ITEEA members are educators with real and specific concerns about attending in person, including travel safety, travel restrictions, funding limitations, health risks, and the requirement to quarantine for two weeks before returning to their classrooms.

Feedback from individuals who have had the opportunity to participate in virtual conferences over the past few months has been overwhelmingly positive. ITEEA will continue working to provide a meaningful conference experience for our attendees and feel confident that the virtual format offers a comfort level for those who may not have been willing or able to attend in person.

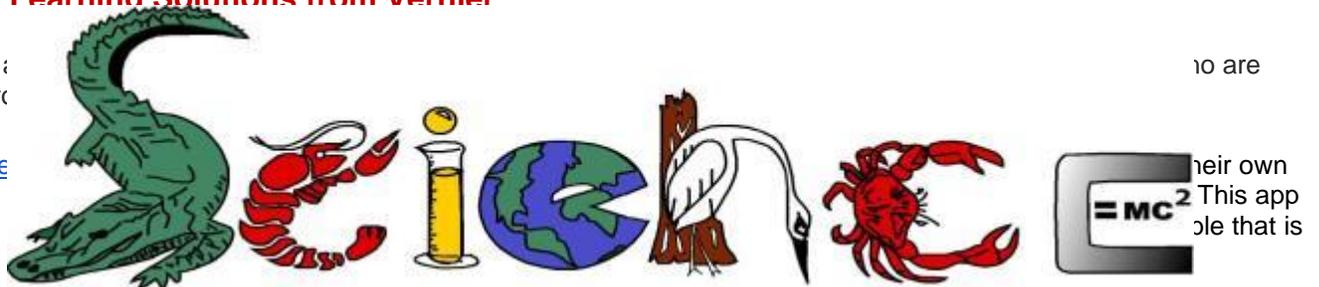
ITEEA President, Dr. Philip Reed, shared, "The feedback overwhelmingly guided us to move the conference to a virtual format for 2021. This change will 'meet educators where they are' by showcasing excellence in virtual technology and engineering education. This is an opportunity you don't want to miss!"

2021 Conference registration is expected to open in October and will offer reduced virtual rates. More information about programming and other conference-related news will be released as it becomes available.

Remote Learning Solutions from Vernier

The team :
learning fr

• [Ve](#)



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

- [Pivot Interactives](#) is a video-based science learning environment. With over 200 interactive activities, the high-quality videos from Pivot Interactives give your students the opportunity to observe and study hard-to-replicate experiments and phenomena no matter where they are. A free 30-day trial and reduced subscription pricing are now available.
- [Analyze Experiment Data at Home with Graphical Analysis 4](#) To help ensure students continue to sharpen their critical-thinking skills and learn key scientific concepts during this precarious time, Vernier has put together over 80 free experiments with sample data files covering many subjects that you can distribute to your students at home. Though students won't be performing the experiments themselves, they can perform their own analysis of the sample data using our free Graphical Analysis™ 4 app and answer questions based on their results.

Introducing NSTA's Daily Do

Teachers and families across the country are facing a new reality of providing opportunities for students to do science through distance and home learning. The [Daily Do](#) is one of the ways NSTA is supporting teachers and families with this endeavor.

Each weekday, NSTA will share a sensemaking task teachers and families can use to engage their students in authentic, relevant science learning.

Check out the [NSTA Daily Do here](#). This week we will have resources for all ages, kicking off with separate activities for elementary and secondary students where they are using and developing a model of social distancing to understand how it slows the spread of the coronavirus.

NSTA Free Membership and Resources

- Free NSTA membership, simply [create an account here](#) and start developing your own personalized digital learning experience.
- Learning Center Collection of [online resources](#)
- Free and engaging NSTA [Interactive eBooks+](#)
- Weekly [web seminars](#) on a host of topics, including the upcoming March 25 web seminar [Science Update: COVID-19: Don't Panic But Know the Science.](#)
- NSTA Press [free book chapters](#) with lesson plans, curriculum ideas, and so much more.
- Free resources from our vendors [here](#)

NSTA's New #LearningTogether Initiative

Remote education has quickly become the reality for millions of people nationwide. As we navigate this uncharted territory together, we are asking you—the greater education community—to join our #LearningTogether initiative.

To participate: Visit the [#LearningTogether](#) web page ; [sign in](#) or [create](#) a free Learning Center account; and add your ideas, tips, and strategies for teaching K–12 students online to the simple form. Check out what others are doing, view their profiles, and send messages of reassurance, praise, and support. For further discussion on how to implement the resources for teaching online, visit the [Remote Teaching Forum](#).

NSTA: Learning Science at Home With Online Resources #COVID19

As students continue their science instruction online and at home, the [Lab Out Loud podcast](#) shares some free resources from NSTA and beyond. Co-hosts Brian Bartel and Dale Basler also get a chance to talk to Fred Ende's kids—referred to as "6" and "9"—as they share their experiences in science education and connecting with people online.

New T4PA Center Website

The Title IV, Part A Technical Assistance Center (T4PA Center) operates on behalf of the U.S. Department of Education (ED), Office of Safe and Supportive Schools to provide State education agencies (SEAs) with dedicated support for implementing the Title IV, Part A (Title IV-A) Student Support and Academic Enrichment (SSAE) program. The T4PA Center provides SSAE State coordinators (SCs) assistance across the program's diverse content areas, namely, promoting a well-rounded education, improving the safety and health of students, and supporting the effective use of technology. In partnership with ED, the T4PA Center works with SCs to identify grant implementation needs, develop a tailored plan to address these needs, and broker support to build capacity at the state and local levels to help ensure Title IV-A programmatic success. Supports include the following:

- Identifying and creating resources and professional learning opportunities on priority areas;
- Operating a Help Desk for technical assistance inquiries from the field;
- Networking and coordinating with Federal and other organizations to leverage support to SEAs;
- Developing a national network of subject matter experts; and
- Operating a comprehensive Website, including a SC-dedicated Community of Practice.

The brand-new T4PA Center Website includes:

- A carousel of noteworthy news, easy-to-access menus of announcements of relevant resources and offerings, upcoming events, and spotlights on grant activities;
- A [resource library](#) with free, relevant and useful information;
- [SEA profiles](#) that give Title IV-A program information for each state, such as SC contact information, funding data, links to state-sponsored Title IV-A Websites, and more;
- A list of [Federal partners](#) from different agencies, programs, and offices that focus on Title IV-A program-related work;
- A deep dive via a [searchable statute](#) to learn more about Title IV-A; and
- A password-protected section dedicated to only SC use that includes a Community of Practice, calendar, and resource-sharing area.

Our Website also features an [online technical assistance request form](#) to submit requests for technical assistance - we are happy to help find needed information or resources, or connect with other partners in the field to augment efforts.

Please join us at <https://t4pacenter.ed.gov/> and learn how Title IV-A can help build student success nationwide!

Online resource listings

https://docs.google.com/spreadsheets/d/1NUKLZN7hGSu1Hzm70kfzBKs-lsSELaEMggS60Bi2O2l/htmlview?usp=sharing&fbclid=IwAR3CHaDMB6fALoalj5bj2nKkC_1WlQX7ydHaOKj--H-aUok4gFzN82jDSM4&sle=true&pru=AAABcPIN7eQ*IKe6OINV7teP59e-1clpaA

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](#)

Assessment Literacy Modules

Here is a newly developed assessment literacy digital workbook that some may be interested in taking a look at...

<http://www.scillsspartners.org/scillss-resources/>

One needs to scroll about 3/4 the way down the page to find... **Digital Workbook on Educational Assessment Design and Evaluation: Creating and Evaluating Effective Educational Assessment

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