

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.



June 2020 | Louisiana Science
Teachers Association

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LOUISIANA SCIENCE TEACHERS ASSOCIATION

Louisiana science educators dedicated to the advancement of scientific literacy at all levels,
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President's Message from Shauna LeBlanc

Hello LSTA family,

This year has been a trying year. Many of you were tasked with developing innovative ways of continuing high quality education. You worked tirelessly to meet the unique needs of your students, while also functioning within the guidelines of health and safety for both your family and your students. I believe educators as a whole have been deeply moved by the loss of time with our students and look forward to the start of the new year. Whatever the situation within your district, please know you are appreciated for all of your hard work over the past few months and for your continued dedication to your students.

LSTA would like you to know that we are dedicated to you and are thinking of you. Normally we would be advertising our summer workshops, but given the uncertainty of what next year will bring, we are holding off on offering workshops until we are certain LSTA can provide the best professional development that meets your needs. As the start of the 2020-2021 academic year draws closer, we plan to take a look at how districts will be implementing instruction and work to create workshops that are centered around supporting high quality science instruction with these specific learning models in mind.

As you may already know, NSTA previously had an area conference planned for New Orleans, November 19-21. In response to the current circumstances, planning for this conference is still being finalized. Please stay tuned to future communication from LSTA as we learn updates from NSTA and the conference planning committee. Please contact Nathan Cotten, nathancotten@tpsd.org if you have any questions.

I would like to take the time to congratulate our LSTA Board Secretary Tammy Brouillette on her retirement from education. Tammy is in her fifth year of service to LSTA, serving as Region III Representative before becoming Secretary in 2020. Tammy has been an educator for 33 years, teaching 4th-7th grade in both Caddo and Terrebonne Parishes. As an educator, Tammy has shown extreme dedication to her students and her efforts have not gone unnoticed. She has received the following awards throughout her career: LSTA Awardee, PAEMST awardee, and was named as a district STAR Teacher two years in a row (2011-2012, 2012-2013) because her students performed in top 15% in the state on the standardized test. She has been awarded numerous grants: Terrebonne Foundation for Academic Excellence grants, Quality Science and Math, and Donors Choose. Finally, she has served on local textbook adoption and curriculum development committees, as well as committees at the state level to select items and review/analyze test data. She plans to enjoy her retirement by traveling with her husband. We wish her all the best! Thank you for your service.

In closing, I would encourage you to review all of the educational resources provided in the LASER. We hope you find something that will help you. Additional information can be found on the Louisiana Department of Education (LDOE) website as they provide more information in the upcoming weeks. Don't forget to check our Facebook page for lots of innovative ideas, science news, and latest science education information.

<https://www.facebook.com/lstascience/>

Have a wonderful summer everyone!

Sincerely,

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 February 28, 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.

NSTA News

Be sure to check out the newly revised NSTA Website: <http://www.nsta.org>

Download a Free e-Book With Fresh Teaching Ideas From NSTA Press

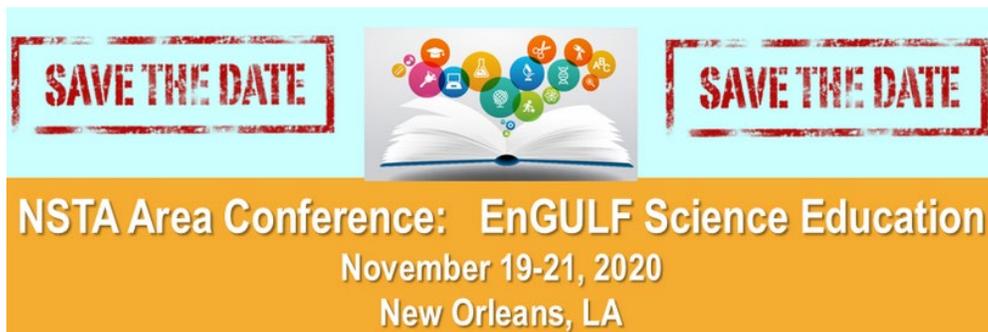
We've collected lessons and teaching strategies featured in NSTA Press's latest books into an e-book for science teachers to express our thanks to you. From Uncovering Student Ideas in Engineering and Technology to Integrating STEM Teaching and Learning Into the K–2 Classroom, Novel Engineering K–8, and Discovery Engineering in Biology, 6–12, you're sure to find a lesson or strategy right for your classroom. For additional resources, visit our updated page of hundreds of sample lessons and activities you can download. The resources are organized by grade level across subject areas in life sciences, physical science, and Earth and space science.

Join NSTA on June 18 at noon ET for a free web seminar, 250 Teachers in 100 Districts in 10 States—What Has the Field Test Told OpenSciEd About How These Materials Live in Real Classrooms? Dive into the data and information collected through the OpenSciEd field test. See how the wisdom from teachers and students informs the materials. Get all the details.

The Science Matters network is a vehicle for information dissemination and communication. Through the electronic network, STEM teachers and their partners become aware of professional development opportunities, science resource materials, and funding programs within their area, region, state, and/or at the national level. The June 1, E-Blast can be accessed at:

http://bap.nsta.org/Attachments/1_June_2020.pdf

NSTA Area Conference: EnGULF Science Education



The graphic features a light blue background with two red-bordered boxes on the left and right, each containing the text "SAVE THE DATE" in a distressed, white font. In the center is an illustration of an open book with colorful icons (science, technology, education) floating above it. Below this is a solid orange banner with the text "NSTA Area Conference: EnGULF Science Education" in white, followed by "November 19-21, 2020" and "New Orleans, LA" in a smaller white font.

Quality Science and Math Grant Program Awardees 2nd Round

Ninth-Twelfth Grade Science

Awardee	School
Allyson Edwards	Castor High School
Angela Hossier	Buckeye High School
Charlese Brown	Grace King High
Cody Cole	East Beauregard High School
Ginger Roy	Southside High School
Lea Ann Hawkins Fisher	Bolton High
Stacy Thibodeaux	Southside High School

Sixth-Eighth Grade Science

Awardee	School
Beau Falgout	Lafayette Middle
Joanna Crowson Magnum	Cope Middle
Kelli Hendrix	Walnut Hill
Mary Johnson	S. J Welsh School
Nikta LaCour	Scotlandville Pre-Engineering
Tabitha Broussard	Kinder Middle School

Kindergarten-Fifth Science

Awardee	School
Armetta Wright	Magnolia Woods Elementary
Brooke Stikeleather	Magnolia Woods Elementary
Cora Comeaux	Cankton Elementary
Danielle Halbrook	Broadmoor Elementary
Erica Clarke	S.J. Clark Elementary
Julie Matherne	Bourg Elementary
Katrin Smith	The DuFrocq School
Kristi Dardar	Bourg Elementary
Kristi Lirette	Broadmoor Elementary
Laura Hidalgo	Baton Rouge FLAIM
Lijae Mae Cocke	Broadmoor Elementary
Lisa Pastorick	Cankton Elementary
Meghan Bellingham	Magnolia Woods
Sonja Franklin	Magnolia Woods
Stacey Simmons	Riverside Elementary

Regional News

✦ Region I ✦

Congratulations to New Orleans Author and Poet **Brod Bagert** recently selected one of the **NSTA's Best of Show Awards**. The Best of Show Awards recognize and celebrates the breakthrough products and services that have the potential to transform science and STEM teaching and learning—as chosen by science educators. NSTA's 2020 Winner for Best Tried & True for Teaching and Learning: STEM & Language Arts is **Brod Bagert's Heart of Science**

The NSTA District VII (Arkansas, Louisiana, Mississippi) Shell Science Lab Challenge winner is: **Karen Marshall** from the International School of Louisiana in New Orleans.

As a district winner she and her school will receive a \$3,000 science lab prize package that includes:

\$1,000 Shell grant to purchase lab equipment and other science education resources;

\$1,000 in donated science lab equipment donated by [Carolina Biological Supply Company](#);

\$300 gift certificate to the [NSTA Science Store](#);

One-year NSTA membership for two teachers;

[NSTA Learning Center](#) subscription for two teachers; and

Paid registration for two teachers to attend a future NSTA Area Conference on Science Education.

Karen is a member of the Shell Regional Collaborative Middle School Science Cohort attending PD sessions

Congratulations to LSTA Board Member **Rob Wallace** for his NSTA Daily Do entry [Why Are Plane Designs So Different?](#) [NSTA](#) Rob's Lesson was based on *Earn Your Wings*, from Real World Science, a program from the National WWII Museum, sponsored by the Northrop Grumman Foundation. In *Why are plane designs so different?*, students and their families engage in science and engineering practices and use the thinking tool of structure and function and patterns to figure out how the shapes of structures help determine a plane's function. The **Daily Do** is one of the ways NSTA is supporting teachers and families with this endeavor.

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

✦ Region II ✦

Steve Babcock, an environmental science teacher at **University Lab School**, has been using his [Facebook page](#) to encourage young minds to explore the outside world in new ways. He calls them “backyard safaris,” where the kids look for interesting bits of nature at their homes or neighborhood parks. He targets his safari suggestions at kindergartners through third graders in hopes they'll see themselves as part of the natural environment. When the coronavirus pandemic closed school in March, Babcock was stuck at home like everybody else. Getting out of his normal routine led to unexpected revelations. To encourage homebound students to make similar discoveries, Babcock began posting suggestions that they get out and explore. The safari assignments, which come roughly every other day, have been simple: Explore an area by touch, then think of animals that also use touch to learn about their world. Look for insects. Take a pen and paper and describe invisible things, like the wind. Look for things that have changed. He plans to continue adding to the backyard safari page into the summer and the upcoming school year.



Meet the #WestFelExplorers. Thanks to a grant from the National Geographic Society, this past February these 7th grade students from **West Feliciana Middle School** were able to attend the **Teaching Responsible Earth Education (T.R.E.E.) Sunship III program** in Covington, Louisiana with their school sponsor **Ali McMillan**. While visiting Sunship III students had the opportunity to explore and interact with the natural world as well as think critically about their own energy usage. Due to the school closures, their plans after returning from Sunship III were cut short, but they hope to continue working with local community partners from the Friends of Cat Island and Bains Elementary

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School as well as their friends in the Generation Green Club at Lusher Charter School next year.

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

✦ **Region III** ✦



Thanks to a generous donation from Chevron, the Terrebonne Foundation for Academic Excellence (TFAE) has given \$50,000 in grants to 11 Terrebonne Parish schools to implement hands-on Science, Technology, Engineering, and Math (STEM) programs in their libraries and science labs.



“The Terrebonne Foundation for Academic Excellence is excited for the teachers and students who will benefit from these grants,” Katie Portier, TFAE Executive Director, said. “We are also grateful to have a community partner like Chevron who continues to invest in our local schools and provide meaningful STEM programs

and opportunities.”

Each awarded elementary and middle school will receive \$3,000 to implement a Makerspace Library. This is a shared area that provides students with tools and resources for hands-on intellectual learning such as 3D printers, arts and crafts supplies, STEM activities, and more. A Makerspace Library can also utilize textile items to enhance learning of literature. Additionally, two junior high and one high school will receive \$8,500-\$9,000 to upgrade their science lab equipment. Items such as digital scales, working sinks, chromebooks, digital microscopes, chemicals, probes, goggles, and much more will be purchased to increase the ability to safely conduct STEM experiments and projects.

“Hands-on opportunities make learning so much more fun and impactful for students,” said Leah Brown, Public Affairs Manager for Chevron’s Gulf of Mexico Business Unit. “If you ask anyone working in STEM where their passion for the field began, you will likely hear stories of a special teacher or experience that sparked their interest early on. That’s why we’re committed to providing students and teachers with the tools they need to explore STEM and cultivate passions that will last a lifetime.”

The following schools will receive the \$3,000 TFAE/Chevron Makerspace Library Grants:

- Acadian Elementary
- Pointe Aux Chenes Elementary
- Honduras Elementary
- Coteau Bayou Blue Elementary
- Village East Elementary
- Broadmoor Elementary
- Grand Caillou Middle
- Caldwell Middle

The following schools will receive the TFAE/Chevron Science Lab Grants:

- Houma Junior High; \$8,500

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- Evergreen Junior High; \$8,500
- H. L. Bourgeois High School; \$9,000

To select the schools, TFAE first reached out to all Terrebonne Parish public schools regarding the grant opportunity to see who would be interested. All of those who responded were awarded the grant after submitting a short application and budget explaining how they would use the funds. Librarians and science teachers will utilize the funds over the summer to purchase their supplies and resources to implement them in the 2020-2021 school year.

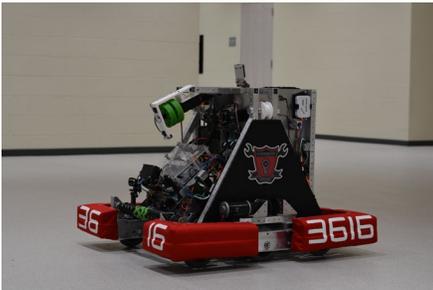
To learn more about TFAE, visit www.tfae.org. For more information on Chevron's Gulf of Mexico Business Unit and their efforts to support the local community, [click here](#).

About Terrebonne Foundation for Academic Excellence

TFAE is an independent local non-profit organization that strives to positively affect academic achievement and to fundamentally improve education in Terrebonne Parish. TFAE has awarded more than \$1.2 million grant dollars to Terrebonne Parish public school teachers since 2001. Visit www.tfae.org for more information.

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

✦ Region IV ✦



FRC Robotics Team 3616 Phenomena Wins 2020 Bayou Regional Chairman's Award

Team 3616 was founded in 2011 and was the first robotics team in Lafayette, LA. With a limited budget and no nearby FRC teams to assist, they were determined to not only foster; but, also spread the principles of teamwork, communication, and application of knowledge in the community.

Robotics Team 3616 Phenomena has been very thankful to have the community come together each year since to provide donations and technical guidance to help build a competitive robot and to spread STEM in our community and across the state of Louisiana.

Students are introduced to *FIRST* robotics culture through workshops where training with mentors builds valuable skills and inspires students to commit to teamwork and innovation. Some mentors are alumni who relate to the challenge's students face in taking on this competition and the sense of responsibility to the future the team embodies. Members learn the importance of exploring new skills; persevering in the face of challenge; applying what they have learned to make measurable improvement; to be respectful of everyone; and along the way have fun. They learn that "*gracious professionalism*" and "*cooperation*" permeate into all aspects of their lives and the challenges they must tackle to become leaders in their school, family, and community.

Over the past 10 years, Robotics Team 3616 has hosted many events in the community and various other places in the state of Louisiana which include FTC, FLL, VEX, VEX IQ, and Junior High Math Tournaments. The team has also been involved with hosting many robotic workshops and summer STEM camps. In addition, you may have seen them exhibit and present their robots in various community events and STEM events. Team 3616 is always willing to share the knowledge of STEM and robotics that they have acquired by being on the team. Team 3616 is composed of high school students from many different schools across the Acadiana area and many volunteer mentors from the community. The home base for this team is at Comeaux High School.

From Team 3616 sponsor, **Lisa Ranney**: "What an honor for FRC Robotics Team 3616 Phenomena to have been selected for the Chairman's Award for 2020 Bayou Regional. This award, received by Team 3616, was from a selection of 60 teams from Louisiana, Mississippi, Florida, South Carolina, Arkansas, China, Turkey, and Mexico. Everyone

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(students and mentors) has done a great job representing our team no matter where we go or what we do. This is a very prestigious award for our team to have received. This was 10 years of service for our community and the state of Louisiana.”

The Chairman’s Award is the most prestigious award at *FIRST*, it honors the team that best represents a model for other teams to emulate and best embodies the mission of *FIRST*. It was created to keep the central focus of *FIRST* Robotics Competition on the ultimate goal of transforming the culture in ways that will inspire greater levels of respect and honor for science and technology, as well as encouraging more of today’s youth to become science and technology leaders. The *FIRST* Robotics competition is not about machines; it is about the experience of people working together toward a shared goal.

In addition, to taking home the Chairman’s Award, Team 3616 Sponsor, Lisa Ranney was also recognized as the 2020 Bayou Regional Woodie Flowers awardee. This *FIRST* Robotics award is presented to the mentor who best leads, inspires, and empowers their team through outstanding communication skills.

Way to go Team 3616!



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

✦ **Region V** ✦

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

✦ **Region VI** ✦



Dr. Mark Benfield, an LSU professor in the Dept. of Oceanography and Coastal Sciences, is asking for volunteers to help his global data research amid COVID-19. The medical waste, PPE (Personal Protection Equipment), he is focusing his research on includes items such as disposable synthetic gloves, masks, and disinfecting wipes that are contaminated, unable to be reused and thus discarded by the public. His research strives to show correlations between pollution caused by the pandemic and the effect it will have on our waterways in the future. His project is receiving worldwide media attention and support as PPE waste affects environments across the globe. You can become involved by taking geotagged photographs that provide a tracking pattern of waste in your area over a period of time. Dr. Benfield is looking for more

volunteers to help with the project. For information, email: covid19waste@gmail.com.

Animals Roam in Lush, Natural Setting at Gone Wild Safari Park: Re-opened Friday, June 5th.



Gone Wild Safari in Pineville is a 50-acre preserve where children and families can spend the day interacting with exotic animals. Species graze and roam free in areas that mimic their natural habitats. Visitors ride open-air vehicles through the park, where they can view and feed many of the animals. The park is home to camels, giraffes, kangaroos, ostriches, wildebeests, zebras and many other herbivores, and filled with tall oak trees, lush palms and ponds for waterfowl.

Due to COVID-19, social distancing regulations will be observed and the following modifications have been made: The new drive thru safari will take place in your own vehicle as there will be no guided bus tours. Please bring cash to purchase tickets outside of the giftshop.

gonewildsafari@gmail.com
 805 Hooper Rd.
 Pineville, La. 71360
 (318) 787-6902

Sunrise Catfish Farm, Inc. was built on the site of the family dairy where cows were milked for 20 years. It started with two ponds in 1995-1996, then sold commercially for several years before expanding to the public. The company is a family operated catch to clean service located in DeRidder, Louisiana that is open year-round for fishing. Enjoy a great outdoor experience where no fishing license is required and you can catch as many catfish as you desire. After you have caught the amount of fish you want, bring them in to be weighed and let them know if you'd like them filleted. Have an ice-chest available.



sunrisecatfish@gmail.com
 155 Milton Schmidt Rd.
 DeRidder, LA. 70634
 (337) 462-6209

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** ✦

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



Professional Development Opportunities and Resources

Louisiana Science Leaders Corner

SREB published a new policy brief, [Elementary Science: Equipping Students Through Inquiry and Integration](#). Summary Science tends to be viewed as a completely separate subject area from reading and math. This is the case even in elementary school, where academic content may be more intertwined than in later years. But scientific thinking and processes are valuable across all areas of learning and for career success. Waiting until the middle grades to give science an equal place among the academic subjects not only handicaps students' performance in reading — background knowledge is necessary for comprehension — it means they have less time to develop important thinking skills that will benefit them in all subjects.

https://www.sreb.org/sites/main/files/file-attachments/sciencebrief_may2020.pdf?1589398782

The Hechinger Report is a national nonprofit newsroom that reports on one topic: education. Are we ready? How we are teaching – and not teaching – kids about climate change? In an analysis of dozens of middle school and high school textbooks, a report found that descriptions of climate change were superficial and contained errors; some did not discuss the topic at all. An Informative article on high school and middle school textbooks from the current Hechinger Reports can be found at:

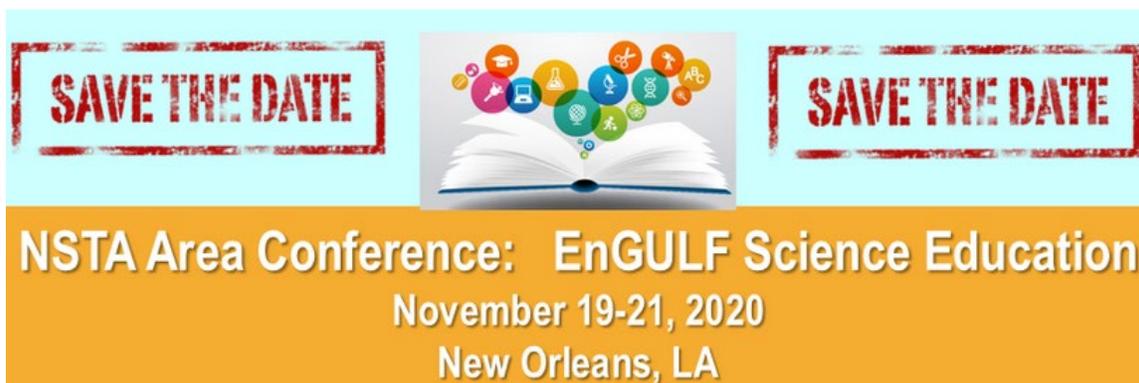
<https://mail.google.com/mail/u/0/#inbox/FMfcgxwHNWFzTxZrgNzCxkwjNBSVVfFB>

New from the Lawrence Hall of Science

Assessing for Learning Professional Learning Session <http://beetlesproject.org/resources/for-program-leaders/assessing-for-learning/>

We're thrilled to announce the publication of a new BEETLES Professional Learning Session: [Assessing for Learning](#). This session has been in the works for years, and now it's finally done!

How do we know what students are learning? It's always important to think about assessment and being responsive to students. Many people think of assessment as giving tests after instruction, but assessments for learning are much richer than that. Assessments are information-gathering tools. Regular assessment should be part of any instructional experience. By assessing students at selected points during instruction, an instructor can get an idea of the group's and each individual's level of understanding, misconceptions, and interests. This ongoing feedback helps instructors adjust field experiences to best address the strengths and needs of their learners. It also helps learners to be more reflective about their own learning. Without regular assessment, instructors can only know what they are teaching but not what their students are learning! This Professional Learning Session focuses on embedded formative assessment practices—an activity that provides evidence of student learning that can be used to quickly inform instruction and promote further learning.



SAVE THE DATE

NSTA Area Conference: EnGULF Science Education
November 19-21, 2020
New Orleans, LA

Summer 2020 K-12 Science Workshops

I am a 30-year science teacher veteran in Miami-Dade. I also run a nonprofit project called The Teacher Institute for Evolutionary Science, TIES. Ties is a network of teachers who have presented over 180 workshops for middle school science teachers in all 50 US States. We present sound content on evolutionary biology and provide the teachers with loads of free resources, online and hands-on.

We've had to reinvent ourselves during this coronavirus pandemic. Our student-guided lessons and exams that have been downloaded by thousands of teachers since mid-March. We have also offered teachers and students across the US one free live webinar a week where they could interact with different scientists. Some of the recordings have been viewed over 3,000 times.

Now, I would like to offer live online summer PD opportunities for teachers on middle and high school evolution curriculum. We can also schedule exclusive live sessions with many scientists. We already have several school districts signing up for 4 or more 60-minute sessions.

We will create the sessions, confirm with the scientists, introduce them, and lead all of the question and answer portions. It's perfect, high-quality PD for your educators.

Mind you, all of this is free for you and your teachers. We are funded by donors who believe in science education. You can check out our website at www.tieseducation.org.

Thanks for your time and stay safe,
Bertha

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/>

Invitation to Attend Free Virtual "Smithsonian K-12 Science Education Action Planning Institute (API)

The Smithsonian Science Education Center is holding its **first fully virtual** leadership development event this summer, from July 28-30. As part of the SSEC's Leadership and Assistance for Science Education Reform (LASER) programming, the **Smithsonian K-12 Science Education: Action Planning Institute (API)** will tackle the challenge of ensuring science/STEM education remains a priority in classrooms and communities during COVID-19 and beyond. During this fully customizable program, live and asynchronous sessions will foster critical conversations on topics most relevant to K-12 science education today such as social emotional supports, equity and accessibility, and facilitating three-dimensional science investigations remotely.

This institute is offered at **no cost and open to educators, parents, community members, and industry stakeholders dedicated to ensuring continuity in K-12 education for all students**. Participating individuals and teams will make meaningful connections between knowledge and practice and will, most importantly, **develop an action plan** to guide their return to school in the fall. Our goal is to make certain that students from all demographics receive equitable access to inquiry-centered science/STEM education whether learning remotely or learning in school with adjusted schedules.

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Please share our website with your K-12 science/STEM education audiences who want to learn more about this program. They can **register today** at: <https://ssec.si.edu/event/smithsonian-science-action-planning-institute>.

If you would like your constituents to attend and you have questions about the agenda or registration process, please do not hesitate to contact Katie Gainsback at gainsbackk@si.edu.

Summer Professional Developments Across the Region

[Click here to see Professional Development opportunities form STEM Library Lab](#)

ITEEA Elementary STEM Council Design Challenge: Now Open!

[Click here for more information](#)

Remote Learning Solutions from Vernier

The team at Vernier has put together a variety of [remote learning resources](#) for teachers to use with students who are learning from home. I would appreciate if you could share these links with your networks.

- [Vernier Video Analysis](#) is a physics-focused tool where students can use their mobile devices to insert their own videos with recorded motion, mark points to track the object in motion, and set the scale of the video. This app brings physics and video analysis to all your students regardless of their location. A free trial is available that is good through June.
- [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 June 17th web seminar [Transforming Science Learning: How to Get Your Students to Start Talking! Supporting Equitable Participation in the Science Classroom](#)
- 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.



SAVE THE DATE

NSTA Area Conference: EnGULF Science Education
November 19-21, 2020
New Orleans, LA

Invent it. Build it.

Students participate in a hands-on engineering experience with members of the Society of Women Engineers.

While the girls are having fun building and inventing, parents and educators learn about engineering careers, scholarships, college admission, and resources.

All attendees learn about engineering clubs, camps, after-school programs and competitions at the Invent it. Build it. EXPO.

Event Overview

Invent it. Build it. is an experience designed to encourage girls to choose a career in engineering. This is achieved through a three-pronged approach:

1. SWE Girls Program
2. Parent Educator Program (PEP)
3. EXPO



All girls registered for the SWE Girls Program will participate in a hands-on engineering experience with members of the Society of Women Engineers. While the girls are having fun building and inventing, parents and educators will learn about engineering careers, scholarships, college admission and resources.

Both groups will learn about engineering clubs, camps, after-school programs and competitions from a wide variety of exhibitors at the Invent it. Build it. EXPO.

<https://swe.org/k-12-outreach/invent-it-build-it/>



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!

University of New Orleans Engineering PD**FREE ENGINEERING PD
FOR TEACHERS OF GRADES 6-12**

AN ASM MATERIALS EXPERIENCE

UNIVERSITY OF NEW ORLEANS

New Orleans, LA | June 22-26, 2020

AN ENGINEERING BOOT CAMP FOR TEACHERS

Engage with science and engineering practices of NGSS through real-world applications of engineering and hands-on activities you can incorporate in your classroom.

Excellent opportunity to meet volunteers from industry and build connections to benefit your students.

WHO SHOULD ATTEND?

- Middle school and high school teachers with an interest in science, engineering and industrial/career and technical education.
- Pre-service science teachers

WHY ATTEND?

- Engage in hands-on, low-cost activities that you can integrate into your classroom immediately.
- Help your students discover career opportunities in science and engineering, and meet practicing engineers.
- Strong connection to NGSS.
- **NO CHARGE, A \$1,200 VALUE** (Made possible through generous donations to the ASM Materials Education Foundation)

WHAT'S INCLUDED?

- 4 CEUs (40 hours), demonstration materials and meals.

GRADUATE CREDITS AVAILABLE!

- Two (2) graduate credits available (at participant's expense) through the University of Missouri-Kansas City at \$250. (This is optional.)

"Gave me the background information to better understand how materials are beneficial and why they are important. I'm also more confident in teaching about materials in the middle school setting."

"I highly recommend participation in the camp for all teachers who teach subjects that involve the use of materials and are interested in engaging, relevant topics to incorporate into their curriculum!"

REGISTER NOW! asmfoundation.org/who-we-impact/teachers/camp-calendar-application/

QUESTIONS?

Jeane Deatherage, Administrator of Foundation Programs
jeane.deatherage@asminternational.org | 800 336 5152, ext. 5433



MATERIALS CAMP
AN ASM MATERIALS EDUCATION FOUNDATION

Online resource listings

https://docs.google.com/spreadsheets/d/1NUKLZN7hGSu1Hzm70kfzBKs-lsSELaEMggS60Bi2O2I/htmlview?usp=sharing&fbclid=IwAR3CHaDMB6fALoalj5bj2nKkC_1WIQX7ydHaOKj--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](#)

EAGLE Item Being Removed

EAGLE items will continue to be available to teachers in the online platform for the remainder of the 2019-2020 school year. To support the use of the EAGLE system as an instructional resource, the platform is being phased out and all items from the EAGLE system will be exported and made available here.

Teacher-created tests will not be exported. Teachers are encouraged to download a hard copy of all personal tests created in the system.

EXPORTED CONTENT WILL BE AVAILABLE NO LATER THAN JULY 1, 2020.

<https://www.louisianabelieves.com/measuringresults/eagle>

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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