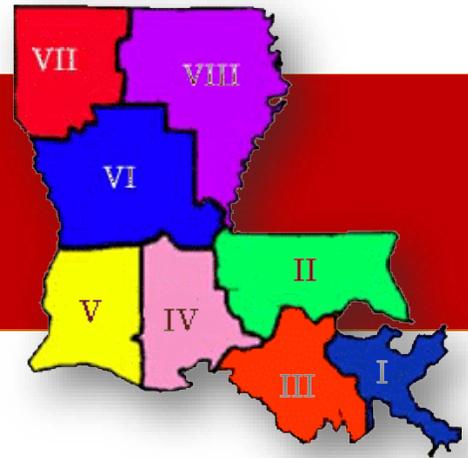


LSTA
NEWSLETTER

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.



February 2022 | Louisiana Science
Teachers Association

LSTA Board and Regional Representatives

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<p>Tammy Brouillette Secretary tammycbrouillette@gmail.com</p>	<p>Nathan Cotten Treasurer nathancotten@tpsdonline.org</p>	<p>Chris Campbell Membership ctc@latech.edu</p>
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<p>Annie Barras Region 4 Representative kabarras@iberia.k12.la.us</p>	<p>Cammie Benoit Region 5 Representative cammiebenoit@gmail.com</p>	<p>Dr. Ladale Bernard Region 6 Representative ladale.bernard@rpsb.us</p>
<p>Rosie Cash-Loftis Region 7 Representative rbcash@caddoschools.org</p>	<p>Marci Bryant Region 8 Representative marcibryant@opsb.net</p>	<p>Stephen Knight LASER Editor stephen_knight@saintmartinschools.org</p>
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L O U I S I A N A S C I E N C E T E A C H E R S A S S O C I A T I O N

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

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

President's Message from Pierre LaCaze



Members of Louisiana Science Teachers Association,

This school year is quickly flying by and this year, like the last two, has been a departure from being normal. From COVID to absenteeism, educators today face many challenges. It is through the dedication and resiliency of teachers like you, that our students could still grow and improve. The Louisiana Science Teachers Association also recognizes how difficult of a time it is. If you know of a teacher who would like to join LSTA, we are still currently offering free membership. A teacher could join through our LSTA website at lsta.info.



We are continuing our coffee talk series. Through coffee talk, we are able to come together from the comfort of our homes, for an informal professional development. Please be on the lookout for upcoming coffee talks. We would love it if you could join us.

For more professional development opportunities and information on grants, including the new round of the QSM Grant, please check the LSTA Website.

Thank You,

J. Pierre LaCaze



Members of the 2022-23 LSTA Executive Council. From left to right: Treasurer Nathan Cotton, President Pierre LaCaze, Vice-President Bianca Dileberto and Secretary Tammy Brouillette. Missing Past-Preident 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 until June 30, 2022. Please share this offer with colleagues.

[LSTA Complimentary Membership Form](#)

LSTA Outstanding Science Teachers of the Year

The Louisiana Science Teachers Association Outstanding Science Teacher of the Year Awards are presented to science educators who demonstrate exemplary science teaching. This might include but is not restricted to development of instructional materials or curriculum or fostering school-based instructional programs. The honorees must have at least five years of classroom experience. LSTA designated three Outstanding Science Teachers of the Year for 2021. Each individual will receive a \$400 cash award, a plaque, and recognition at an LSTA awards ceremony. The three 2021 LSTA Outstanding Science Teachers of the Year are **Rosie Cash-Loftis** from University Elementary School in Shreveport, **Tyler Dufrene** from Hahnville High School in Boutte, and **Crissy Giacona** from St. Mary's Dominican High School in New Orleans. This issue of the LASER will focus on Rosie's accomplishments. Look for Tyler and Crissy to be featured in future editions.



Rosie Cash-Loftis is a Blast/STEM lab teacher at University Elementary School in Shreveport. She has also taught Discoveries, science, and social studies. Among her numerous professional development presentations are sessions at three LATM/LSTA conferences. Her awards and honors include Teacher of the Year for her school, teacher leader, mentor teacher, QSM grant recipient, LSTA Travel Grant winner, Math Science Partnership participant, and Caddo Elementary Science Task Force Committee member. Her district science curriculum specialist said, "I have had the wonderful opportunity to observe her magic as a classroom and STEM lab teacher; her lessons are always out of this world!" Her instructional coordinator said, "Mrs. Loftis goes beyond what is expected of her in terms of her devotion to our students. She can frequently be seen at school late into the evening, tutoring those students who need the extra push and sponsoring the afterschool Robotics Club. Attributes such as this are certainly, what I would use to describe an educator whom strives to be a life-long learner and grow in the teaching profession." Congratulations, Rosie.

QSM Round 1 Awardees



QSM GRANT AWARDEES

LSTA Congratulates the 2021-22 Round 1 Grant Cycle Awardees

Teacher Name	School
Jessica Quebedeaux	North Central High School

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

Ruth Adams	Combre-Fondel Elementary School
Veronica Guillory	Alexandria Senior High School
Amy Douglas	Captain Shreve High School
Anne Abadie	Tom Benson School
Annette Foret-LaGarde	Honduras Elementary School
Ashley Justice	J.K. Haynes Charter Inc.
Betsie Fontenot	Eunice High School
Brandi Hasley	Quitman High School
Charles Scarbrough	Broadmoor Senior High School
Cora Comeaux	Cankton Elementary School
Dan Baker	Slaughter Community Charter School
Danielle Halbrook	Broadmoor Elementary School - Terrebonne Parish
Dennis Henderson	Southwood High School
Dennis Pevey	Ponchatoula High School
Elizabeth Wrzesinski	Sherwood Middle Academic Academy
Henri Lorigans	Captain Shreve High School
Isaac Bourg	Career Magnet Center
Jason Stark	Opelousas Senior High School
Jennifer Comeaux	Pierre Part Elementary School
Kenya Robinson	Alexandria Middle Magnet School
Kyle Melancon	Zachary High School
Lea Ann Fisher	Northwood High School - Rapides Parish
Loren Klein	Paul Breaux Middle School
MaQueta Pipkin	Southwood High School
Meredith Starks	Bellaire Elementary School
Nancy Torbert	Broadmoor Elementary School - Terrebonne Parish
Patricia Ordonez	Tom Benson School
Patsy Jackson	Arcadia High School
Priscille Laurent	Lycee Francais de la Nouvelle-Orleans-Johnson Campus
Rebecca White	Alfred M. Barbe High School
Robyn Lirette	Broadmoor Elementary School - Terrebonne Parish
Sarah Arnold	Captain Shreve High School
Tara West	Caneview K-8 School
Timothy Spruill	Woodlawn High School
Tomyka Muse	Amite High Magnet
Zach Bandaries	Captain Shreve High School

BESE Recognizes Presidential Finalists and Awardees

The Board of Elementary and Secondary Education recognized the 2019 Presidential Awardees, the 2020 State Finalists, and the 2021 State Finalists during its January 19, 2022, meeting. In addition to the BESE acknowledgment, all honorees received a personal note of appreciation from the Louisiana Department of Education.



Pictured left to right are 2021 State Finalist in Science Tyler Dufrene, 2020 State Awardee in Mathematics Stephanie Gullage, BESE Member Kira Orange Jones, and 2021 State Finalist in Mathematics Dr Thomas Wright



Presidential State Finalists Honored

The 2021 State Finalists for the Presidential Awards in Excellence in Mathematics and Science Teaching were honored at a luncheon held on the Blanco Patio at the Louisiana Governor's Mansion. Other revered guests of the December 2, 2021, event included Louisiana First Lady Donna Edwards and Louisiana Department of Education Chief of Staff Dr. Quentina Timoll. The 2021 State Finalists in science are **Steven Babcock**, Louisiana State University Laboratory School; **Amanda Dolph**, Caddo Parish Public Schools; and **Tyler Dufrene**, St. Charles Parish Public Schools.

The Presidential Awards represent the nation's highest honors for STEM teachers. Application packets of State Finalists have been submitted for national review. Teachers who are selected as PAEMST Awardees receive a trip to Washington, D.C., where they participate in recognition events and professional development opportunities. They also receive a \$10,000 award from the National Science Foundation and a Presidential certificate.



Pictured left to right are 2021 State Finalist Steven Babcock, 2021 State Finalist Amanda Dolph, 2021 State Finalist Tyler Dufrene, and LSTA Vice President Bianca Deliberto

QSM Round 2 Announcement



REQUEST FOR PROPOSALS ROUND 2 QSM GRANT PROGRAM

The Quality Science and Math (QSM) Grant Program is excited to open a second round of funding for the 21-22 grant cycle. PK-12 teachers who are looking for a way to purchase instructional materials and equipment for their math, science, or STEM class should consider submitting a proposal!

QSM GRANT ELIGIBILITY & INFO

- Submission Window: **Monday, January 24 - Monday, March 7, 2022**
- Grants of up to **\$1,000 are awarded to PK-3** teachers and **\$1500 to 4-12** teachers
- Applicants must be full-time classroom teachers assigned to teacher math, science, or STEM courses/subjects in a PK-12 public regular education program (including public charter schools)
- To apply, please access the grant portal by going to lsu.edu/qsm
- Awardees from Round 1 are NOT eligible for a Round 2 grant.

GRANT WRITING TIPS & RESOURCES

- Watch our [QSM Explained Videos](#) that briefly introduces each component of the application
- Review the [QSM Grant Program Policies](#) for a more details about eligibility and policies
- View the application questions and how they are scored by downloading [QSM Grant Components and Scoring Rubric](#)
- For more grant writing tips and resources, please lsu.edu/qsm

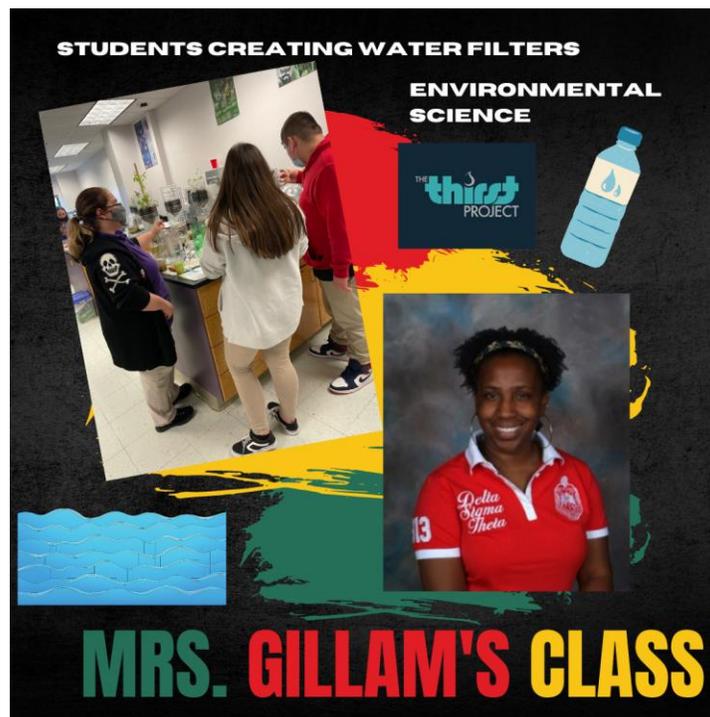
CONTACT

Megan Stone, QSM Grant Administrator
LSU Gordon A. Cain Center
phone: 225-578-4606
email: qsminfo@lsu.edu
website: lsu.edu/qsm

Regional News

✦ Region I ✦

Each year **Mrs. Gillam's** Environmental Science class builds water filters. The purpose of this activity is to teach students about the global water crisis. The students are introduced to the Thirst Project as well. The mission of the Thirst Project is to help end the global water crisis. The students also try to raise money to help fund a well in Africa so that local communities can have access to safe drinking water. The students leave the lesson with an awareness of what they can do on a local, national, and global scale.



Submitted by GNO STEM

The Greater New Orleans STEM Initiative is once again ROCKIN' the Region I area! In December, GNO STEM held a Winter STEM Robotics & Circuitry Camp for 5th - 8th grade students at Country Day School. The students were engaged in exploring the building, coding, and circuitry of EV3 Robotics.

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



Students participating in the Winter STEM Robotics & Circuitry Camp with GNO STEM

Thanks to a grant from the Bruce J. Heim Foundation, GNO STEM held a Computer Science Professional Development session for K-3 teachers. The session included training in using Tinkercad, electronics, coding, and the use of Bee-Bots. Participating teachers also received a free Bee-Bot computer with coding cards to bring back to their classrooms!



Region 1 teachers participating in GNO STEM's Computer Science Professional Development

GNO STEM was awarded a grant from the Louisiana Department of Revenue to deliver a PD series to grades 3-8 science teachers utilizing research-based, effective instructional methods while promoting student voice, collaborative learning, problem solving, and critical thinking to four Orleans Parish Public Schools. Currently, GNO STEM has partnered with Lake Forest Elementary and Fannie C. Williams to support their science teachers through this grant opportunity.



Lake Forest Elementary



Fannie C. Williams Charter School teachers

Check out GNOSTEM.org for more STEM opportunities!

Please submit news for Region 1 to **Cecilia Gillam** at cgillam@stcharles.k12.la.us.

✦ Region II ✦

Some of St. Tammany Parish teachers were recently trained for the adopt-a-pond project teachers to use water quality monitoring equipment.

- LSUAgTrainTeach – Carol Franze with LSU Ag/SEAGRANT works with the St. Tammy Parish Adopt-a-Pond teachers in how to use water quality monitoring equipment.
- TeachLearnDOequip – Caterina Braun (William Pitcher Jr.) and Crystal Addison (Madisonville Jr.) practice the steps to measure the amount of dissolved oxygen (DO) in a sample of water.
- TeachLearnPHequip – Adopt-a-Pond teachers use sunlight in the courtyard of Madisonville Jr. in order to measure the pH, nitrate and phosphate levels of a sample of water.



If you are not familiar with the Adopt-a-Pond Project, it is a citizen science partnership between STPPS, the STP government, and LSU Ag. We are in year three of this program, and though are COVID challenges, 4 of our 7 school are attempting to take pond field trips before Mardi Gras.

The purpose of the Adopt-a-Pond Project is for students to:

1. Engage Schools and Teachers
2. Conduct Field Experience Events: Water Quality Testing, Ecology, Habitat Development
3. Develop STEM-based Classroom Lessons – aligned with state standards and curriculum
4. Encourage Local Stewardship and Future Resource Managers
5. Report Results

As well as:

- Increase awareness of Storm water Ponds and function in the Parish
- Reduce pollution in waterways and understand pollution oversight by USEPA
- Replace overall tree canopy throughout the Parish
- Increase wetland habitat in local communities
- Develop Citizen Scientist and STEM-based education Program
- Promote Stewardship for local and regional environments
- Encourage future resource managers, scientists, and engineers in the community

Look for pictures in our next newsletter from the student field trips.

Please submit news for Region 2 to **Tricia Trinco** at tricia.trinco@stpsb.org.

✦ Region III ✦



Congratulations to BTNEP's Education Director Alma Robichaux she was recently became President-Elect of the Southern Association of Marie Educators. She has worked in marine education and research for 30 years. As the Education/Outreach Coordinator for the Barataria-Terrebonne National Estuary Program, her duties include K-12 education and public outreach. She is also Project Manager for Teacher Workshops including WETSHOP and facilitates the Marine Debris Education and Prevention that allows students to engage in citizen's science on

Students in Ms. Tiffany St. Germain's third grade class explored the benefits of animals living in groups such as penguins.



Katie Scott

Bayou Black Elementary
5th/6th Grade Math/Science

6th graders created an electrical circuit during their unit on Electromagnetic Forces.

5th graders traced their shadows to determine how the length of their shadows changed throughout the day.

5th graders investigated mixtures and solutions to determine solubility and density of solutions.



Students in **Mrs. Wendy Delgado's** 7th grade life science classroom investigated with Crazy Traits Genetics CPO Science Kits as they explored genotypes and phenotypes.

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

Cathi Cox-Boniol and Missy Wooley delivered four days of teacher Professional Development to teachers in Lafourche Parish.



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

✦ **Region IV** ✦



Blake Touchet, Lafayette Parish School District, Louisiana: Touchet transferred into the role of Science Master Teacher, overseeing science curriculum and instruction for two high schools and two middle schools in his district. He is presenting a paper titled “Administrators’ Perceptions of and Roles in Teaching Socially Controversial Science Topics” at the American Educational Research Association conference in April 2022 (and he plans to finish his doctoral dissertation by summer 2022). Touchet was also one of a handful of teachers who authored a chapter in the new Teacher Institute for Evolutionary Science book [On Teaching Evolution](#).

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

✦ **Region V** ✦

A lot of exciting activities have been taking place in the Science/STEM world in Region 5.

Megan Parmley and **Stacy Gregory** at KR Hanchey Elementary School, in Beauregard Parish recently submitted and received a grant to transform a kindergarten classroom into a STEM and MOTOR lab for kindergarten and first grade students. After hosting a summer school program, “Learning Lego Land,” they saw the benefits and engagement of student learning and wanted to continue providing these innovative learning opportunities in everyday learning. This lab will service around 350 students.

In Cameron Parish, the use of STEM carts has been implemented in all elementary schools to be used during RTI. During the summer of 2021, students from Cameron Parish attended Astro Camp. The district is currently working and planning to offer the opportunity to students again during the Summer of 2022. The middle and high school science and vocational teachers also recently attended a training for “Learning Blade,” a free resource for STEM activities provided by the LA Board for Regents and Boeing. Currently, Hackberry High School and Johnson Bayou High School offer robotics classes to the students, with plans for the district to institute a robotics program all schools within Cameron Parish. Likewise, Grand Lake High School has piloted an ESports team, with plans to institute it at all interested schools within the district.



In Allen Parish, students at Oakdale Middle School are hard at work preparing a display for the LA STEM Conference that they will be participating in on February 8th. They have chosen a pirate theme, showcasing Sphero Bolts. Participants will have to drive a Bolt with a student-designed ship on top, navigating obstacles such as pirates, diseases, hurricanes, and wildlife in order to find buried treasure. Computer teacher, **Loren Mack**, at Oberlin Elementary, has started a coding class in her computer lab. Since starting the coding class, students have been so excited and engaged, that they have requested to exchange

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

their PE enrichment time for extra coding class time. **Mrs. Mack** states that she has seen the benefits first hand since implementing coding classes. **Mack** said, "I have seen students who are extremely shy, who are great at coding, blossom because of the interaction with their peers and their ability to help them."



Please submit news for Region 5 to **Cammi Benoit** at cammiembenoit@gmail.com.

✦ Region VI ✦

Rapides Parish New Teacher of the Year for Middle School

Social Media Quote: Education is a modest platform that allows one to engage hearts, engage minds, encourage holistic excellence, equip future leaders, and ignite the joy of life-long learning.



Ms. Annaniquia Smith serves as the 7th grade science teacher at Brame Middle School (BMS), which is located in Alexandria, Louisiana. This is her first year as an educator. Not having hesitated to get involved, she currently serves as the BMS Softball Coach and Co-sponsor of the Fellowship of Christian Athletes (FCA) club. Eager to run transformational threads through the curriculum she teaches, Smith implements "Deeper Hope" bell-ringers into her content area to challenge her students with intangible life-long characteristics. During the first semester, her students raised around \$100 to help support the Givole Primary School in Kenya through the **Water Project Non-Profit** and donated multiple cases of water to help the homeless in the Central Louisiana area. Students were introduced to the transformational thread "compassion" alongside the Anchor for their Chemical Reactions Unit which focused on unclean water in a make-believe neighborhood. Smith prompted her students to see how an education allows you to serve those who are in need near and far. Smith believes that all of her students are scientists, which is posted in part of her classroom motto, "I am able to see the world for its beauty, hear of its greatness, and learn from its complexity. I am a scientist today.

Watch me do my work."

Please submit news for Region 6 to **Dr. Ladale Bernard** at ladale.bernard@rpsb.us.



✦ Region VII ✦



Two Caddo Magnet High School students, Elijah Burks and Ashini Modi, have been recognized as Regeneron STS Scholars by the Society for Science. They are among 300 top scholars in the Regeneron Science Talent Search 2022, the nation's oldest and most prestigious science and math competition for high school seniors.

Congratulations to Amanda Dolph, a finalist for the Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST). She was recognized on January 18 by the BESE. Amanda is in her 10th year of teaching at Caddo Magnet High School in Shreveport. Amanda's love for science has contributed to her work on the Inquiry Hub chemistry curriculum and national board certification in adolescent/young chemistry. Congrats Amanda!



In November 2021, CYBER.ORG hosted its first virtual Regional Autonomous Robotics Circuit competition. Through the "Reaching beyond the Moon" theme, students were challenged to program their robots to complete tasks using engineering, decryption, and problem-solving skills. The virtual nature of the competition created a new opportunity for schools outside our traditional region to participate with over 200 registered teams from 6 different states. Congrats to the winners of competition one: Elementary Level: JS Clark Magnet-1st place, South Highlands-2nd place; Middle School-Caddo Middle Magnet-1st place, Baton Rouge International School-2nd place; Middle School/Parallax Division-1st place-Cope Middle School, Donnie Bickham Middle School-2nd place; High School-Airline High School-1st place, 2nd place-Catholic High School. Competition 2 takes place in February.

Please submit news for Region 7 to Rosie Cash-Loftis at rbcash@caddoschools.org

✦ Region VIII ✦

Cathi Cox-Boniol (Region 8 LaSTEM Center, Louisiana Tech University) facilitated a national Roundtable Discussion focused on "Cultivating Creativity in the Classroom" for the International Technology and Engineering Educators Association and participated in the Environmental Literacy STEM Webinar as well as collaborating with other national Engineering by Design Consortium directors during the end-of-year meeting. In partnership with the National Girls Collaborative program, Cathi hosted the first annual STEMINIST Fest for middle grades girls on the Louisiana Tech campus. The students completed team building activities, a STEM challenge, research around Women in STEM, created PSAs about women in STEM fields, engaged in a panel discussion with female STEM professionals and toured innovative STEM spaces across campus. Cathi and **Chris Campbell** (U Teach Tech, Louisiana Tech University) assisted **Missy Wooley** (Lincoln Parish STEM Center) with a STEM Day during a Lincoln Parish teacher professional development day. Cathi went on to work with Chris during the Louisiana Tech Science Olympiad Invitational Tournament. Cathi and Missy judged the Undergraduate Research Symposium at Louisiana Tech and Cathi was joined by Chris and **Diane Madden** (SciTEC, Louisiana Tech University) in judging projects for the Region 2 Science Fair.



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



STEMinist Fest 2021



Lincoln Parish STEM Day



Cathi and Chris with Olympiad Awards

Please submit news for Region 8 to **Marci Bryant** at marcibryant@opsb.net.

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 Leadership Association (NSELA).

Professional Development to Support Principals' Vision of Science Instruction

This JRST article shares findings from a research study of Instructional Leadership for Science Practices, an NSF-funded professional development program for school principals developed by Dr. Katherine McNeill and colleagues. The article describes how the program's design increased school leaders' understanding of science and engineering practices. It offers considerations for designing science-specific learning for school leaders that prepares them to support instructional shifts. See the article [here](#).

NASEM Taking Stock of NGSS Implementation: A Summit

The Board of Science Education of the National Academies of Sciences, Engineering, and Medicine is hosting a public summit to take stock of the implementation of state science standards and determine the next steps to consider for continuing or reinvigorating implementation efforts. The summit will serve as a setting to consider implementation across all states and territories, identify successes and challenges, and identify areas where additional resources or work is needed.

MARCH 2, 3:00PM - 4:30PM (ET)

WEBINAR The third webinar in the series, moderated by **Elizabeth Mulkerrin**, will include panel discussion and interactive polls to consider the opportunities that exist within informal education spaces.

[Taking Stock of Science Standards Implementation: A Summit -- 3D in Informal Science Education](#)

MAR 16, 6:00PM - 7:30PM (ET)

WEBINAR This fourth webinar, moderated by **K. Renae Pullen**, will take a closer look at how teachers work to implement science and engineering in their classrooms. A panel discussion, small group think time banded by grade levels, and full group discussion will enable the field to consider and showcase best practices within the classroom.

[Taking Stock of Science Standards Implementation: A Summit -- Supporting 3D Instructional Shifts Coffee Talk](#)

APR 6, 3:00PM - 4:30PM (ET)

WEBINAR This final webinar in the series, moderated by **Susan Gomez Zwiep**, will consider the pathways for teacher preparation. Panel and small group think time are structures that will be implemented in this webinar as we reflect on and discuss as a community the preparation of our educators.

[Taking Stock of Science Standards Implementation: A Summit -- Teacher Preparation Pathways Coffee Talk](#)

All science leaders should consider downloading a FREE copy of the National Academies publication [Teaching K-12 Science and Engineering During a Crisis](#). Become familiar with the 5 principles shared in the book. Events require ongoing changes in how the K-12 education system functions. Students and teachers must figure out how to handle teaching and learning differently with all the educational components and families working overtime. This is extremely difficult and stressful work in the time of a global pandemic, In addition students with disabilities, students of various ethnic backgrounds some of them immigrants and ELL, and students from under-resources communities are affected differently, both by the pandemic and instructional shifts.

OBTA NOMINATIONS FOR 2022 NOW BEING TAKEN

The National Association of Biology Teachers invites nominations for the Louisiana Outstanding Biology Teacher Award for 2022. All biology/life science instructors (grades 6-12) with at least three years teaching experience in public, private, or parochial schools are eligible. NABT membership is not a requirement for consideration; however, a major portion of each nominee's career must have been devoted to the teaching of biology and/or life science. Unsuccessful candidates may be re-nominated in subsequent years.

Colleagues, administrators, students, the teacher candidates themselves, or anyone competent to judge the candidate's teaching effectiveness can nominate a teacher to receive the award. Candidates will complete a form summarizing their professional experience, academic background, and educational philosophy and provide four recommendations from colleagues, students, etc. The criteria for the award include teaching ability and experience, cooperation and involvement in school and the community, inventiveness, initiative, professionalism, and student-teacher relationship.

OBTA recipients are special guests of Carolina Biology Supply Company at the Honors Luncheon held at the NABT Professional Development Conference, receive gift certificates from Carolina Biological, resources from other sponsors, and award certificates and complimentary one-year membership from NABT. The winner will be honored at the awards ceremony at the annual NABT conference.

You are invited to nominate a colleague or yourself. Please send the nominee's name, school, and EMAIL ADDRESS to Louisiana OBTA director Blake Touchet at btouchet7@gmail.com. Email nominations will be acknowledged by a reply to confirm receipt. Deadline for nominations is March 25, 2022. Nominees will receive an application packet to be filled out and returned by May 6, 2022.



NSTA and SHELL have extended the Regional Lab Challenge Deadline until MARCH 8th

WIN A SCIENCE LAB Support Package for Your School

WHO: K-12 teachers of science located in regions of Shell assets

WHAT: The 2021–2022 Shell Science Lab Regional Challenge, a program of NSTA

HOW: Share your exemplary approach to science lab instruction in your school using limited school and lab resources

WHY: Over \$315,000 in prizes will be awarded, including three principal and science teacher grand prize trips to NSTA's National Conference on Science Education

WHERE: For more information, visit <https://www.nsta.org/shell-science-lab-regional-challenge> or write to ShellScienceLab@nsta.org



Shell Science Lab
CHALLENGE



Deadline: February 17, 2022

Learn more about this rich professional development opportunity at

<https://www.nsta.org/shell-science-lab-regional-challenge>

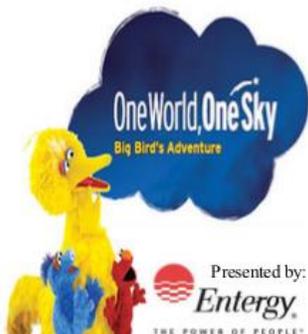
Kenner Planetarium



Louis J. Roussel, Jr. Laser Planetarium

Join Us For An Experience That's OUT OF THIS WORLD!

FEBRUARY 2022



One World, One Sky: Big Bird's Adventure

Join Big Bird, Elmo, and their friend from China, Hu Hu Zhu as they locate the Big Dipper, the North Star, and the Moon in the night sky. Take an imaginary trip to the moon and discover how different it is from Earth. Audiences will see that even though friends may live in different countries, we all share the same sky!

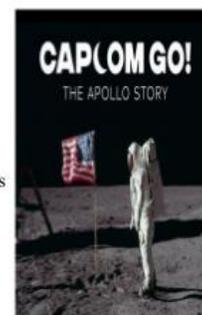
Running time: 27 minutes



CAPCOM GO! The Apollo Story

A historical documentary that showcases the achievements of the Apollo program and what it took to put the first human on the Moon. Capcom Go! introduces a new generation to the immense challenges NASA overcame and will inspire them to become the explorers of the future.

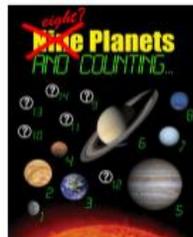
Running time: 28 minutes



Flying Monsters

Set out to uncover the truth about the dinosaur cousin, the pterosaur, with a wingspan of approximately 40 feet and equal to that of a modern-day jet plane.

Running time: 40 minutes



Nine Planets and Counting

How many planets are there in our solar system? Nine, right? Or is it eight? Take a tour to explore the variety of objects that populate our solar system. Along the way, examine each planet individually then step back to look at the big picture. Just what is a planet, anyway? The answer may surprise you.

Running time: 35 minutes

Get ready for a mix of Michael Jackson's most famous music. Hits from the King of Pop are brought to life in a dazzling display of color and light. Song selections include ABC, P.Y.T., Billie Jean, Bad, Thriller, Dirty Diana and many more. This show is sure to be a hit for fans of all ages!

Running time: 55 minutes



Admission:		Schedule:	
E-mail hglorioso@kenner.la.us or call 504-468-7231 for information and group rates.		<i>Appointment Only: Tues-Fri Schools/Camps/Groups Call 504-468-7231 for reservations.</i>	
Adults	\$6.00 per show	<i>General Public: Saturdays Only Box Office opens at 10:45 am</i>	
Children/Seniors	\$5.00 per show	One World, One Sky:	11:00 am
Multi-show packages available		Capcom Go: The Apollo Story:	12:00 pm
*Children 2-12 years		Flying Monsters:	1:00 pm
*Seniors 60 and over		Nine Planets and Counting:	2:00 pm
SHOW SCHEDULE SUBJECT TO CHANGE!		Laser Michael Jackson:	3:00 pm

Kenner Planetarium 2020 Fourth Street Kenner, Louisiana 70062
www.kenner.la.us 504-468-7231

CWPPRA Wetland Writing Contest

The CWPPRA Wetland Writing Contest will run through March 1, 2022, in three categories.

Poetry – Any format is acceptable. Poems should not exceed 32 lines.

Personal Narrative – Submissions must be 1,500 words or less.

Short Story – Submissions must be 3,000 words or less.

The contest is for students in K-4 grade, 5-8 grade, and 9-12 grade.

Prizes are cash awards: \$75 for first place, \$50 for second place and \$25 for 3rd place. Prizes are awarded in each category and grade bracket.

<https://cwppra.wordpress.com/cwppra-wetlands-writing-contest/>

Chemical Education Foundation

FREE VIRTUAL WORKSHOPS!

<https://www.chemed.org/programs/essential-elements/>

(Be sure those participating complete the pre and post survey for each workshop completed and select "Cathi Cox-Boniol" as the referral on the drop-down option for Louisiana gets credit for the engagement!)

Essential Elements is based on the 5E learning cycle approach to teaching, which is based in the theory of constructivism. Through this cycle, students build their own understanding of new concepts from both prior and new experiences. Each part of the cycle describes a phase of learning: engage, explore, explain, elaborate, and evaluate. During an Essential Elements workshop, educators are guided through a full 5E learning cycle using a lesson from the [Activity Guides](#). The virtual workshops below are offered at NO COST and available for teachers to work through on their own schedule!

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

[Click this link](#) to get a flyer to help spread the word about this free-to-use resource designed for educators.

Essential Elements Provides:

-  Professional development that builds K-8 educator confidence to implement hands-on science activities with students
-  Connections among educators and chemistry professionals to grow local workforce interest
-  Acknowledgement and celebration of the role of chemistry in everyday life

Please remember to have teachers complete the pre and post survey for each workshop completed and select "Cathi Cox-Boniol" as the Louisiana referral for this national opportunity.

LASM Announces Return of Free First Sundays



FIRST SUNDAYS ARE BACK!

Every First Sunday of the Month
1 PM - 5 PM

Free museum
and Irene W.
Pennington
Planetarium
admission!

Sponsored by

**Madison
Lamar**

Thunder Bay National Marine Sanctuary

Thunder Bay National Marine Sanctuary is hosting their 10th annual virtual *Thunder Bay International Film Festival* (TBIFF), a celebration of our ocean and Great Lakes with nearly 100 films! Produced in partnership with the International Ocean Film Festival, TBIFF is a virtual experience including online film screenings and Q&A sessions with filmmakers, scientists, and ocean and Great Lakes stewards.

Now in its 10th year, TBIFF showcases new, independent ocean and Great Lakes films from all over the world. Themes range from adventure and science to marine life and coastal cultures. Films are selected to not only entertain audiences but also inspire people to participate in environmental and stewardship efforts in our ocean and Great Lakes.

To start your film festival experience, visit: <https://watch.eventive.org/thunderbay2022>

STEM education nonprofit ChemTalk makes chemistry accessible to everyone

ChemTalk reimagines chemistry education, launching the ChemTalk website and social media channels.

ChemTalk, a grassroots 501(c)(3) science education and outreach non-profit based in Thousand Oaks, CA, announced today the official launch of the organization and the ChemTalk website. To date, the all-volunteer organization has received donations from several organizational and private donors including the American Chemical Society and CABRI foundation, and today launched a \$50,000 GoFundMe [fundraising campaign](#).

Over 60 high-school and college students from across North America have participated in ChemTalk's national internship program, becoming advocates for science while honing their own skills and knowledge. This number is expected to climb exponentially over the next 12 months.

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

In the ten months since ChemTalk's website was created, traffic has climbed to over 93,000 visitors per month, making it one of the fastest-growing education websites of 2021.

Social media channels were launched on TikTok, Instagram, Twitter, Youtube, Facebook, and LinkedIn. One video, possibly the first video to show a [maze being solved](#) by chemistry using a pH gradient, received over 800,000 views on their new TikTok channel. The [ChemTalk podcast](#) has interviewed over a dozen professors, scientists, and Nobel laureates to expose young people to role models, early in their lives.

ChemTalk is located in Southern California in the heart of a burgeoning biotech and life-science cluster growing in the region surrounding biotech giant Amgen. Brent Reinke, Founder and Chairman of the Bioscience Alliance located in nearby Westlake Village, CA, stated that *"It's exciting to see a fast-growing STEM education nonprofit located right in the middle of our region's rapidly expanding life science cluster. ChemTalk's mission fits extremely well with the goals of BSA. That's why we are excited to announce the organizations have agreed to become sponsors of one another to further support our mutual efforts. ChemTalk will play an integral role in ensuring there are highly sought after STEM workers for the growing number of young companies in our area."*

ChemTalk received donations from the American Chemical Society (Los Padres Chapter), CABRI Foundation (Cayman Chemical), KPM Accelerate, Bluewater Travel, and Ortheus Inc, a great show of support for a brand new grass-roots organization. They have already raised 25% of the \$50,000 GoFundMe goal to fund their operations and programs for the next several months.

In addition to fundraising through donors and sponsors, ChemTalk is actively seeking writers, volunteers, partners, and advisory board members. Achieving ChemTalk's fundraising goals will allow it to easily reach over 2,000,000 students in 2022, helping to create the next generation of the STEM workforce.

ChemTalk Contact

Scott Gietler
Executive Director
scottg@chemistrytalk.org 310-904-3112

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>)

Announcing the Genes in Space 2022 Contest

Announcing Genes in Space 2022 – Design and Launch Your DNA Experiment to Space!

Calling all students in grades 7 through 12: **Have you ever wondered how astronauts might survive a deep-space mission or how we might be able to use biology to transform new worlds? If so, Genes in Space is for you!**

[Genes in Space](#) is a science contest that challenges students to design original DNA experiments that address real-life challenges and opportunities of space exploration. The contest is free and does not require equipment. Proposals will be judged solely on their creative and scientific merit. The winning experiment is conducted in space, and samples are returned to Earth for you to analyze! Submission deadline is April 11th, 2022. **Learn more about the contest [HERE](#).**

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

All student contestants practice valuable scientific skills while exploring a topic that interests them and learning about the exciting field of space biology. [25 awardees](#) win a biotechnology prize pack for their educational institutions. Five Finalist teams additionally receive mentoring from Harvard and MIT PhD scientists and present their ideas to a panel of judges for a chance to win the contest and have their DNA experiment launch into space!

Educators: The Genes in Space contest is a great way to engage students in authentic research, whether your class meets in-person or virtually. Check out the free tools for bringing modern genetic analysis and space biology into your physical or virtual classroom [HERE](#). Resources include videos, lesson plans, classroom activities, worksheets, and more.

Find us on the web at www.genesinspace.org or email us at genesinspace@minipcr.com.

Genes in Space is a collaboration between miniPCR bio and Boeing with generous support from the ISS U.S. National Laboratory and New England Biolabs, Inc.

#NSTA22 Houston: The Home of Science Education

#NSTA22 Houston features a stellar lineup of captivating speakers, inspiring presentations and sessions, lively Exhibitor workshops, and more—providing YOU with the very best professional learning experience around! Register now to receive earlybird pricing.



Army Educational Outreach Program

High school students - Apply for a \$3000 summer research apprenticeship at [Louisiana Tech University UTeachTech Louisiana Tech University College of Engineering and Science](#) Ruston High School [Simsboro School](#) [Choudrant High School](#) AEOP Apprenticeships help you gain the skills and experience you need today to prepare for the STEM careers of tomorrow. As an apprentice you will conduct cutting-edge research in a state of the art facility alongside a professional STEM mentor. Deadline is February 28, 2022!
[High School Apprenticeships | AEOP](#)

NEEF Watershed Sleuth Challenge

[The Watershed Sleuth Challenge](#)

With NEEF's Watershed Sleuth Challenge, students will learn more about their local watershed—what it is, why it's important, and what they can do to help protect it—as they earn badges at each level of this three-part course

Community Science Teacher PD

Teacher Professional Development Citizen and Community Science

Opportunities for Students to Contribute to Research



Community Science (also known as Citizen Science, Volunteer Monitoring, Crowdsourcing and many more) is a way of making the research process more accessible to the public. Participants collect data around a phenomenon of concern—water quality, weather, public health, etc.—and through their collective action provide new discoveries and perspectives.

K-12 schools are an ideal target audience for these efforts because they represent a large group of participants and monitoring efforts can be aligned with current classroom study. During this hands-on workshop, you will learn about current projects and brainstorm future opportunities that could be beneficial.

March 26 - 27, 2022

Thibodaux and Houma, Louisiana

Program Highlights

- Learn about current community science opportunities and tools
- Develop contacts for future collaborations and field trips
- Explore coastal habitats in south central Louisiana
- Receive continuing education credits
- All lodging, meals and activities are included at no cost to the participant

We recognize that finding childcare for weekend professional development opportunities can be a challenge. Therefore, we will be providing a concurrent education enrichment program for children (ages 5 – 12) of participating teachers. This way families can share in the experience. There is a limit of two children per teacher. Contact Louisiana Sea Grant with questions.

Application Link: https://lsu.qualtrics.com/jfe/form/SV_gRD6Jqa8Ggnplrg

Application Deadline: March 4, 2022

Program Contact: Jennifer Cook, jcook67@lsu.edu



STEM Scholarship Opportunity for Female High School Seniors

Emmy Noether (1882 – 1935) was a German mathematician known for her contributions to abstract algebra and theoretical physics.

2022 Emmy Noether Awards

A scholarship opportunity for female students pursuing a STEM related graduate degree

The Emmy Noether Awards seek top aspiring female research scientists in any STEM (science, technology, engineering, or math) field to help realize their potential careers through financial and networking assistance.

The Awards: One gold medalist, two silver medalists, and up to 10 Emmy Noether Scholars. The gold medalist will receive up to \$75,000 (\$25,000 for each year they are in a graduate-level program for up to 3 years). Two silver medalists will be awarded \$25,000 each for a qualified graduate-level program. The Emmy Noether Scholars will be invited to join a network of young female aspiring research scientists and will receive information on internship and networking opportunities.

Requirements:

- Female
- Senior in High School
- Lives in or goes to school in LA, MS or AL
- Pursues a research-based graduate degree & career in a STEM field
- 28 or higher on the ACT

Examples of qualifying career aspirations: any laboratory researcher (Ph.D. or Masters of Science programs), researching engineers (such as aerospace or computer engineer programs).

For more information and to apply please visit:
www.thebrownfoundation.org/emmy-noether-award
 Application deadline is March 24 at noon.

Please send questions to:
emmynoetheraward@thebrownfoundation.org

Presented by

 COMMUNITY
 FOUNDATION
 of Acadiana

In Partnership with



Free Energy Education Workshop

The National Energy Education Development Project, along with the Louisiana Energy Office to provide a free one-day energy education workshop for teachers. The workshop is free, and we will provide preworkshop materials as well as a post workshop NEED Science of Energy Kit for teacher to keep.

Please click on the workshop date to register

[Wednesday, March 9, 2022](#)

WHO SHOULD ATTEND?

- K-5th grade educators
- 6th – 12th grade science teachers
- CTE Teachers
- Extracurricular/Afterschool/Club Leaders
- STE(A)M Educators

WHY ATTEND?

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

Agenda

- 8:45 a.m. **Registration & Sign-In**
- 9:00 a.m. **Welcome & Expectations with a fun introductory game!**
- 9:30 a.m. **Science of Energy**
- 10:30 a.m. **Candy Collector & Forms to Sources**
- 11:00 a.m. **Energy & Language Arts**
- 11:45 a.m. **Lunch & Wellness break**
- 12:05 p.m. **Electric Connections & Louisiana's Electrical Picture**
- 12: 30 p.m. **Renewable**
 - Solar Ovens
 - Wind Can Do Work
- 1:30 p.m. **Understanding Energy Efficiency & Conservation**
 - The Energy I Used Today
 - Conservation in the Round & Mini @home scavenger audit.
- 2:00 p.m. **Exploring NEED Website and Distance and Virtual Learning Tips**
- 2:30 pm. **Wrap-up**
 - NEED website
 - NEED curriculum packet
 - Evaluation & Post-test
- 2:45 p.m. **Adjourn**

Louisiana Science Teachers Association Newsletter (www.lsta.info)
 Teachers of 3rd through 8th grade students are invited to participate in Tulane's online teacher professional development this spring!!
 Register now! <https://applyprecollege.tulane.edu/.../virtual-teacher-pd...>
 Thanks to the generosity of [Shell](#) and Joe W. and Dorothy Dorsett Brown Foundation , we are offering an online teacher professional development.

February Workshop: Engineering Design – Choosing Relevant Problems Students Want to Solve

The workshop will take place on Saturday, February 12th from 9:00 - 11:30am Central. The workshop will include a 2.5-hour live session and 1-1.5 hours of on-your-own-time independent work during BEFORE and AFTER the workshop.

Teachers participating in the workshop will receive a \$100 stipend upon completion of the PD. Teachers must participate in all parts of the workshop to be eligible for the stipend! Space is limited and preference is given to teachers from majority free or reduced lunch schools and teachers already in the classroom. There is a \$20 refundable deposit that will be refunded to teachers upon completion of the PD.

**SPRING 2022
VIRTUAL
TEACHER PD**
For Teachers of Grades 3-8

February 12, 9:00-11:30 AM

*Engineering Design -
Choosing Relevant Problems
Students Want to Solve*

2.5 hour live session and
1-1.5 hours of on-your-own-time independent work before and after the workshop

TULANE
CENTER FOR
K-12 STEM
EDUCATION

Real World Science Summer Teacher Seminar

This year's Real World Science Summer Teacher Seminar will be open to ANY public-school teacher of 5th-8th grade science, and we expect it to be on-site at the National WWII Museum in New Orleans. From July 10th-15th we will host 28 teachers from around the country for a week of fun, learning, and professional growth. **We save 2 spots for teachers from Louisiana.**

Participants will learn how to use the Real World Science curriculum (updated in 2021 with new material) and best practices in science education. Our goal is to make science education equitable and accessible, so that ALL STUDENTS can learn to solve today's problems like STEM professionals did during WWII. We will discuss activities in Physical, Earth, and Life Sciences and Engineering, and learn how to integrate literacy practices and social studies into science investigations with students.

Please apply! To get more information, and for the application link, go to <https://www.nationalww2museum.org/real-world-science> or email rob.wallace@nationalww2museum.org



BWET Teacher Workshop Layers of La History

Layers of Louisiana History – BWET Teacher Workshop

Program Highlights:

- Work alongside university researchers to better understand coastal challenges
- Explore different coastal habitats
- Receive a toolkit of environmental samples to use in class
- Have facilitated, guided lesson plan development
- Continuing education credits
- All lodging, meals and activities covered at no cost to the participant
- \$300 in participant stipends (per year)
- Travel awards to Louisiana Science Teacher Association conference

Application Deadline: April 1, 2022

Program Contact: Dani Dilullo, ddiullo@lsu.edu

To Apply: https://lsu.qualtrics.com/jfe/form/SV_3OFdRvqRbcbDmv4

Please see link for additional information.

<https://www.laseagrant.org/education/pd/bwet/?fbclid=IwAR33jmyqvuaopjS1XoWbGP5xiSiO2oKbWu9QqfBYUuYm0GKB7HB9kjUcaSA>

New and Updated Resources for OpenSciEd Middle School Pilot

To assist teachers, schools, and systems with piloting OpenSciEd for middle school, the Department has updated existing resources and released new pacing documents.

These resources include

- [Grade 6](#) and [Grade 7](#) pilot guides updated with pacing guidance for the first three units in each grade;
- [Grade 7](#) and [Grade 8](#) pilot guides updated with links to newly released public units;
- [OpenSciEd Distance Learning](#) guidance updated to include Grade 8 Natural Selection; and
- [OpenSciEd Purchasing and Professional Development](#) updated kit purchasing information for revised units.

Additionally, ten units are now available in the [National Instructional Materials Access Center \(NIMAC\) Inventory](#) with more coming soon.

Please contact STEM@la.gov with questions.

Nominate a Student for a Trip to The National WWII Museum's American Spirit Awards

The National WWII Museum wants to honor your outstanding student leaders. Each year the Museum selects one student from each state to receive the Billy Michal Student Leadership Award.

These 51 student leaders will be invited to attend the 2022 American Spirit Awards on June 9–10, 2022, where they will represent their state at the prestigious American Spirit Awards Leadership Luncheon. Students will also have the opportunity to participate in a Q&A session with the American Spirit Awards medallion recipients, meet fellow recipients, explore New Orleans and the Museum and meet Billy Michal himself.

Nominees should have a strong record of volunteerism, school and/or community activism, or implementing creative solutions to recognized problems. Selected awardees will be flown (along with a chaperone) to New Orleans to participate in the Museum's American Spirit Awards celebration. Applications are open now!

[Nominate your student today!](#)

TEACHERS: Apply for the 2022 Summer Teacher Seminar

In July 2022, The National WWII Museum will again offer its Summer Teacher Seminar professional development trainings. Held over two separate weeks, the seminar will offer teachers a choice between a broad survey of a major topic in WWII history, as well as deeper thematic dives. This year's topics are Voices from the Pacific War: Teaching the Untold Stories of World War II and The Power of Propaganda: Teaching Media Literacy Through World War II. Designed for middle school and high school teachers, these seminars will train educators on the use of Museum curriculum, as well as provide access to WWII scholars and the latest digital resources.

[Check back here on December 7 to begin your application](#)

NASA's Texas Space Grant Consortium

Beginning in the summer of 1990, the NASA's Texas Space Grant Consortium initiated a week-long professional development training for teachers. This aerospace workshop, called LiftOff, emphasizes science, technology, engineering, and mathematics (STEM) learning experiences by incorporating a space science theme supported by NASA missions. Teacher participants are provided with information and experiences through speakers, hands-on activities and field investigations that promote space science and enrichment activities for themselves and others.

PROGRAM HIGHLIGHTS

NASA is committed to landing American astronauts, including the first woman and the first person of color, on the Moon by 2024. NASA is going back to the Moon for scientific discovery, economic benefits, and inspiration for a new generation of explorers. How will we build a global alliance and explore deep space for the benefit of all? Join us for LiftOff 2022: The Artemis Generation, June 26-July 1, 2022.

PROGRAM FEATURES:

- Presentations by NASA scientists and engineers
- Tours of NASA and Space Center Houston
- Hands-on, inquiry based classroom activities aligned to educational standards
- Career Exploration
- Teacher Feature (sharing of classroom lessons and activities)
- Opportunity to interact with researchers dedicated to space missions

The deadline for receiving applications is March 7, 2022 for LiftOff 2022 and should be submitted through the online system: <http://www.tsgc.utexas.edu/liftoff/>



What's New at Project WET?

The school year is in full swing and teachers and community educators everywhere are using Project WET to inspire future water stewards. Without these outstanding educators, Project WET would not be able to reach millions of people worldwide with science-based, interactive water education each year. That's why we're launching our first-ever [Project WET Educator of the Year competition](#).

If you or someone you know is making an impact in your community through Project WET, [click here](#) to learn how they could win a month of access to our new digital learning experience WETconnect for the educator and up to 200 students!

Become a WaterStar School

Is your school ready to dive into Project WET? Our new WaterStar Schools program is an interdisciplinary approach to water education featuring curriculum training and ongoing professional development for teachers, hands-on activities via WETconnect for students, and official certification to show the world that your school cares about our sustainable water future.

[LEARN MORE NOW](#)

Climate Education for All

We are excited to announce a new self-paced, online climate training pack for educators! Participants will receive a printed copy of our Climate, Water & Resilience educator guide along with WETconnect access to an enhanced digital version of the guide, hands-on climate education training, and our full library of virtual lessons and student activity booklets.

[BECOME A TRAINED CLIMATE EDUCATOR](#)

Try WETconnect for Free

With WETconnect, students are engaged in hands-on learning and self-led discovery, online or offline. Water education comes to life with e-books, interactive lessons, games, quizzes, and more. Educators and students connect with one another and the world around them. Now everyone can experience Project WET's award-winning water education publications and activities anytime, anywhere

[LEARN MORE AND START YOUR FREE TRIAL](#)

STEM Resources from the US Department of Education

The US Department of Education has recently shared two resources that may be useful supporting STEM learning.

- [Data.gov](#) is a database with over 335,221 real-world datasets from a variety of sources updated weekly and connected to free resources to help show how data shapes our lives.
- [STEM Rising](#) from the US Department of Energy features a monthly newsletter, social media connections, virtual learning resources, college workshops, and online career resources.

Please contact STEM@la.gov with questions.

New Self-Paced Science Professional Learning Modules Available Now

To assist teachers, schools, and systems with implementation of [high-quality science curricula](#), the Department has released three [self-paced learning modules](#). These resources are designed to fit flexibly in a variety of professional learning formats. Modules may be accessed individually for an “at your own pace” style of PD or delivered by Content Leaders or other science leaders to drive professional learning and facilitate collaborative conversations. Learning modules are focused on the topics below and are available now.

- Science Instructional Model and Planning Guide
- Productive Science Talk and Planning for Discussion
- Leveraging Student Resources in Science

Each module includes a brief description, video, slide deck, and associated handouts.

Please contact STEM@la.gov with questions.

Interact with PC's New Education Videos!

Join Pontchartrain Conservancy's [Education Department](#) in a series of videos that encourage participants to learn more about their local environment. These videos are interactive, with places for viewers to pause and answer questions, make predictions, or design and test their own experiments. Students and anyone interested are invited to participate in fun interactive ways, from writing down answers to building models!

There are currently four videos in the series that cover an array of environmental topics. The Coastal Land Loss Video Survey explains what the primary causes of land loss are and what can be done about it. The Ecosystems of the Pontchartrain Basin Survey covers what an ecosystem is and the animals and plants that live in ecosystems near the Pontchartrain Basin. The Hydrological Modifications Video Survey explains what hydrological modifications are and their main functions. The MLODS Video Survey teaches the Multiple Line of Defense strategy and its impacts on coastal communities. <https://scienceforourcoast.org/pc-programs/education/interactive-videos/>

Ecology Project International

You may have heard of [Ecology Project International](#) (EPI); they have been engaging teachers and students in experiential, place-based science learning since 2000—in Yellowstone, Mexico, Galapagos, Hawaii,...

EPI would like to start offering more PD to teachers, and want to know what would be most useful for them. Please share this information with teachers you know who might appreciate place-based, experiential, ecologically-based PD.

This [survey](#) should take 10 minutes to complete. It will be used to help EPI create PD opportunities that will fit teachers' needs.

Those who complete the [survey](#) will be entered to win one of several raffle prizes: \$100 off an upcoming EPI Educator course, \$25 gift card to EPI's online store, or a free EPI hydro flask.

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.

NASA EXPRESS



NASA EXPRESS features updates from NASA and STEM associates about workshops, internships, and fellowships; applications for grants or collaborations; promotions for student and educator opportunities; online professional development; and other announcements.

[Sign Up](#)

[View Latest EXPRESS](#)

7 Billion student video contest

Population Education holds an annual video contest for students in grades 6-12. We invite students to participate in our *World of 7 Billion* student video contest this year! The contest gives students an opportunity to think critically about social and environmental challenges related to global population growth and share what they think should be done to fix these challenges. For more detailed information on the student video contest, [please click here](#).

The *World of 7 Billion* video contest serves primarily as an educational tool for student learning. However, there is also a monetary award for the best video submissions each year. All video submissions must be submitted by Tuesday, February 22, 2022. The winners will be announced on May 10, 2022. [For more detailed information on the *World of 7 Billion* contest, please click](#)

Hutton Junior Fisheries Biology Program

Hutton Junior Fisheries Biology Program



Do you want to **inspire** young high school students?

Do you desire to share your **passion** for fisheries?

Do you want to participate in promoting **diversity and inclusion** in fisheries?

APPLY TO BE A HUTTON MENTOR TODAY!

The **Hutton Junior Fisheries Biology Program** is a paid summer internship and mentoring program for high school juniors and seniors, sponsored by the American Fisheries Society (AFS). This program is for students interested in pursuing the disciplines of **fisheries science and management** and/or **natural resources related fields**. Over the past 21 years (2001-2021), AFS has offered internship opportunities to 727 students with the help of almost 800 Mentors in over 150 host and financially sponsoring institutions.

Selected students known as Hutton Scholars, are matched and mentored by a fisheries professional to enjoy an 8-week hands-on fisheries science summer experience in a marine and/or freshwater setting.

Our Vision:

The principle goal of the Hutton program is to stimulate interest in careers in fisheries science and management among groups underrepresented, including minorities and women, in the fisheries professions.

Mentors hold the key to **engage, inspire and enrich** the next generation of fisheries professionals. Apply today to help prepare the future generation of fisheries professionals!



Questions?

Email **Mary Webb Banning**, Program Manager, Education and Outreach at mbanning@fisheries.org

Apply Online for Summer 2022 at <http://hutton.fisheries.org>

Application Deadline: March 1st, 2022



Sankofa Wetland Park



LA Education Standards Covered

What's in the Water?
5-ESS2-2; 6-MS-LS2-2;
HS-EVS1-2; HS-ESS2-5;
HS-EVS1-1

Wetland Critter Study
2-LS4-1; 3-LS4-3; 4-LS1-2;
5-LS2-1; 5-PS3-1; 6-MS-LS2-1; 6-MS-LS2-3

Marsh Madness
2-LS4-1; 2-ESS2-1; 3-LS4-4;
3-ESS3-1; 3-LS4-3; 3-LS1-1;
4-ESS2-1; 4-ESS2-3; 5-ESS3-1

"Neature" Walk
K-LS-1-1; 1-LS3-1; 2-LS2-2;
3-LS4-2; 3-LS2-1; 4-LS1-2;
4-LS1-1

Feathered Friends
K-LS-1-1; 1-LS1-2; 2-LS4-1;
3-LS2-1; 4-LS1-1; 5-LS2-1

Contact Us
5200 Dauphine Street, New Orleans, LA 70117
(504) 872-9214
darcy@sankofanola.org
www.sankofanola.org

sankofa
Community Development Corporation
Building healthier communities for generations to come

sankofa
Community Development Corporation

Wetland Park Programs

