[Building STEM Capital in Region 2]

Spotlight: LSU Geaux Science Explorations

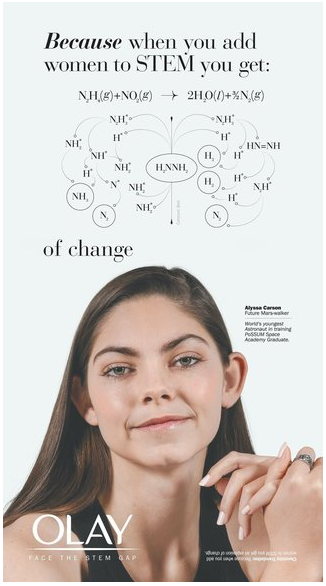
Geaux Science Explorations is a LSU College of Science outreach initiative that seeks to inspire young minds to understand, value, and pursue science. The programs support student engagement in science by prioritizing experiences with LSU scientists, hands-on activities, diversity, and early exposure to science fields.

STEM Story Time - Stories read by LSU scientists in public libraries followed by hands-on activities. One virtual version featured LSU scientist, Dr. Jeremy Brown who read “Lots: The Diversity of Life on Earth” by Nicola Davies and answered questions about his field. The program also featured author Shelli R. Johannes' book “Libby Loves Science.” Prior to the event, 70 participants were mailed an activity kit with all supplies needed for the hands-on portion - led by LSU chemistry alumna, Dr. Alecia Gabriel [featured above].

Girls' Day at the Museum - An annual event where girls spend a day exploring the reptiles, birds, fish, mammals, and other collections in the internationally recognized LSU Museum of Natural Science (MNS) and lunch and chat with LSU's top women scientists. This event also pivoted delivering a unique field trip, led by LSU MNS staff and alumni, included virtual exploration of mammals, birds, and fish at the LSU MNS, the Florida Museum of Natural History, and the Natural History Museum of Los Angeles County. Girls also participated in virtual chats with LSU women scientists and received an activity kit with everything they needed to participate in a guided hands-on learning experience.

Student Opportunities

Olay's 'FACE the STEM' Gap Event



200 High school girls participanting in the event will have a chance to enter a random drawing to win $500 to apply toward their own STEM education.

Wednesday, September 15 | Register Now by Email

Olay is committed to doubling the number of women in STEM and tripling the number of women of color in STEM by 2030. Olay, partnering with Million Women Mentors, will host a live, virtual event [9/15 @ 6PM Central] featuring an exceptional panel of women in STEM - who will share their experiences pursuing a STEM education and career and offer words of encouragement.

How to participate.

- Register to attend one of the panel events + complete the pre-event survey.
- Join the event at your scheduled time and complete the post-event survey.
- Enter to win $500 toward your STEM education.
- For fun - check out Olay's Face of STEM page [It features a young woman from the Capital region who is passionately pursuing a career in space - Alyssa Carson]

Future's Fund Fall Tech Academy

Future's Fund Tech Academy is offering fall courses, in-person and virtually. Hang out with their cool teams and develop career-changing skills. You're never too young to start coding. Register today

SMART Scholarships from Department of Defense

Science, Mathematics, and Research for Transformation (SMART) Scholarship-For-Service Program at every entry level from bachelor's degree to PhD. Apply online; **Deadline December 1st.**

Educator Opportunities

Presidential Awards for Excellence in Math & Science Teaching (PAEMST)

The PAEMST are the highest honors bestowed by the United States government specifically for K-12 science, technology, engineering, mathematics, and/or computer science teaching. Anyone may nominate exceptional STEM teachers who are currently teaching grades K-6 for the 2022 award year. Teachers apply directly www.paemst.org

Nomination deadline - January 7, 2022 Application deadline - February 6

Quality Science and Math Program Grants (QSM) & Grant Writing Support

Need math, science and STEM materials and equipment? Apply for a QSM Grant - Funds established for the purpose of providing Louisiana public school teachers with non-consumable math, science, and STEM instructional materials and equipment.

- 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

- Program has undergone revisions this summer that includes revised policies, application process, submission portal, and resources
- Grant portal will open and accepting submissions by or before Thursday, August 19, 2021
- Application Deadline: **Friday, October 1, 2021 @ 11:59PM**

Please visit lsu.edu/qsm for more information about the program.

ATTEND A QSM GRANT WRITING WORKSHOP IN AUGUST AND SEPTEMBER!

To support the Program's updated grant application and policies, QSM will host a grant writing workshops. Led by Nathan Cotton, Bianca Deliberto, and Ellen Daugherty, the virtual workshops will guide teachers through the grant writing process and provide an in-depth breakdown of each section. Also included are office hours where teachers can work with presenters (one-on-one or in small group).

Register for FREE Workshops here and see workshop dates/times and "OPTIONAL" office hours:

- Workshop - Saturday, Aug 14 [9:00-11:00am] - Office hours 1:00-3:00
- Workshop - Saturday, Sept 11 [9:00-11:00am] - Office hours 1:00-3:00
- Workshop - Wednesday, Sept 15 [6:00-8:00pm]
- Office Hours - Thursday, Sept 16 [6:00-8:00pm]

Promising Practices

STEM in Libraries

SciStarter Webinar: Introduction to Citizen Science in Libraries and Other Interested Organizations

August 25, 2021, 12:00 PM Pacific / 3:00 PM Eastern

National Girls Collaborative is partnering with SciStarter, an online hub featuring over 3,000 citizen science projects! This Network provides training, support, and resources to libraries and other organizations interested in growing STEM. **REGISTER!** All libraries are invited (academic, public, school, and special).

[Check Miss Louisiana's Citizen Science Data Project on Wetland Loss in progress now]

TOOLKIT: Developing STEM Internships for High School Students

Blueprint for creating STEM Internships with College Credit

Learn more about how Abbott, a medical devices and health care company, converted a high school summer internsthip program into a college credit experience. Listen to their case for developing internships in STEM. Download their playbook.

WEBINAR: Community Colleges - Accelerating STEM

Subscribe to our email list.

AUGUST 25th @ 12 Central time - STEMConnector and and our partners at STEM Learning Ecosystems will host webinar on how community colleges are implementing innovative practices to accelerate STEM workforce development, build career pathways, and re-skill people to have new career opportunities. Register here.

SAVE These Dates!

OCT 18-23 - Mini Maker Faire - Hybrid Event [A family-friendly showcase of invention, creativity, and resourcefulness.Glimpse the future and get inspired!] [EBRP Main Library on Goodwood Blvd]

AUGUST STEM Events at the EBRP Library Branch near you!

Light and Shadow - During month of August and September. Activities for different ages to hear stories about light and shadow and do hands-on exploration.

More STEM Fun on August 28 around Baton Rouge - Check EBRPL calendar

- Build a Boat with Legos - Greenwell Springs
- Spring into STEAM [Catapults] - Jones Creek
- Wearable Tech LED Circuit Cuff - River Center

Oct 28 - LaSTEM Summit

SAVE the DATE for this 4th annual event! [Join the Regional STEM Centers, PK-12, postsecondary education, employers, and the community as they offer best practices for collaboration, engagement, and policymaking that will help grow a STEM-strong Louisiana]

Join Our Mailing List

Please forward to a friend interested in closing STEM opportunity gaps in our region.

Search for STEM Opportunities

Capital Area STEM Network Center @ LSU Cain Center
204 Thomas Boyd Hall
Baton Rouge, LA 70803 US

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