[Building STEM Capital in Region 2]

Spotlight: Livingston-Made STEM

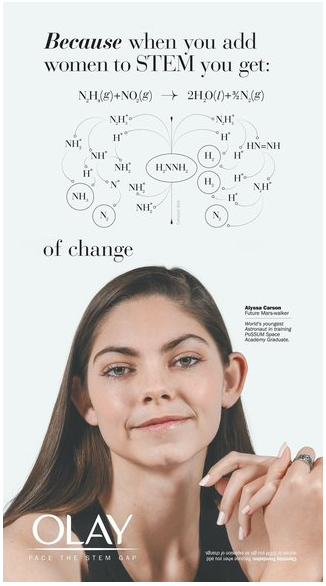
Livingston Parish schools are partnering with the LSU Gordon A. Cain Center's STEM Pathways Program this school year to integrate science, technology, engineering and math learning at the middle school and elementary levels through a pilot program in the Denham Springs High School feeder system. The pilot program will target 12 schools in the parish — nine elementary schools, grades pre-K to fifth, and three middle schools, grades six to eight. Since all the participating schools feed into the Denham Springs High School STEM and Robotics Center, it is our goal to provide our students with a vertically aligned STEM curriculum that better prepares them for courses offered at the high school level," Superintendent Joe Murphy said.

School leaders began working with education consultants at LSU earlier this summer to design courses and develop integration strategies for the various grade levels. The plan resulted in the design of elective courses at the middle school level — an "Introduction to STEM Pathways and Careers" for seventh graders and a "Survey of Computer Science" elective option for eighth graders. Both STEM courses will be counted toward high school class credit. To further align STEM programming,

primary subject fields of learning at the elementary school grade levels, including English/language arts, mathematics, science and social studies. See entire Advocate article.

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.

REGISTER NOW for either the LIVE event on Wednesday, September 15 or a recorded version offered next week.

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. Louisiana STEM evangelist, Alyssa Carson featured here, offers a special message of encouragement to Louisiana Girls attending.

YOU MUST COMPLETE REGISTRATION TO BE ELIGIBLE - Register Now by Email

- Register to attend one of the panel events + complete the pre-event survey.
- Join the event at your scheduled time (whether LIVE or Recorded) and complete the post-event survey.
- Enter to win $500 toward your STEM education.

Educator Opportunities

First National Summit on K-5 Computer Science

September 22, 2021 | 2pm Central

Don't miss this opportunity from CS is Elementary to learn how every elementary school can start or enhance computer science learning for all. Attending this webinar will help you rapidly strengthen computer science programs at K-5 schools, gain free resources, and learn more about the "Every School Can CS Campaign." Register here.

NSTA Call to Action for Science Education

Monday, September 27 at 6 PM Central

Teachers are critical to the success of the national effort to change the trajectory of science and STEM education. Issued by the National Academies of Sciences, Engineering, and Medicine (NASEM) and funded by the Carnegie Corporation, the "Call" highlights **five key priority areas for science education** that must be addressed to broaden opportunity in the discipline. Register for FREE Webinar.

The five priorities are:

- Provide time, materials and resources for science instruction.
- Develop a strong, diverse science teaching workforce
- Design clear, supportive pathways for students in science
- Employ well-designed science assessments and accountability systems aligned with the vision for high-quality science instruction.
- Use evidence to document progress and inform on-going improvement efforts.

Back to Afterschool with STEM

Thursday, September 16, 12 noon

Join the Afterschool Alliance and partners at the California Academy of Sciences, Learn Fresh, and COSI to discuss using STEM activities to reengage students this fall! In this webinar, partners will walk through STEM tools and activities for virtual and in-person out-of-school time programming. Register here.

Resources

Vernier Celebrates 40th Anniversary with Grants and Resources

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

Vernier is celebrating their 40th anniversary by awarding 40 grants to educators! Each grant includes $1,000 in Vernier technology, a one-year license for Vernier Graphical Analysis™ Pro, and professional development. Visit their site to download a free compilation of their most popular experiments.

Subscribe to our email list.

Million Girls Moonshot Initiative

Get to know LACAL! LACAL (Louisiana Afterschool Network) is a great supporter of STEM learning during out of school hours. LACAL is a proud partner of The Million Girls Moonshot initiative, promoting equitable representation in STEM for women and youth of color across Louisiana. It will inspire and prepare the next generation of innovators by engaging one million more girls in STEM learning opportunities through afterschool and summer programs over the next 5 years. Each month the Million Girls Moonshot provides tools and resources for programs and partners implementing STEM. This month's new materials include:

IF/THEN® curated Olympics resources featuring NBC Learn videos that highlight women in STEM who work with top U.S. Olympic and Paralympic athletes.

- How To: Use the posters (like the one shown here featuring Dr. Monica Rho who is the head Physician for the US Women's National Soccer Team) to highlight an inspiring role model in Sports and STEM
- Learn More: Check out the recorded webinar of IF/THEN Ambassadors in a conversation about representation and why it is important for girls to see role models in STEM. Learn why representation matters and how to use the IF/THEN Collection to increase representation of women in STEM.

Black Girls Create

Black Girls Create is a new resource on "Developing a Culturally Responsive Maker Program for Black Girls." This article describes the development and pilot implementation of a culturally responsive maker afterschool program for Black girls. The pilot of Black Girls Create used social history, culturally responsive pedagogy, and mentoring to engage Black girls in maker-based activities as they learned about Black "Her-STEM" figures: women who made significant impacts in STEM.

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]

Subscribe to our email 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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