



3rd Quarter LaSTEM Advisory Council Meeting
8/18/21

Public Comments

Public comments can be made during today's meeting via open conference call at (877) 336-1831 , access code 9881784#. That information is on the meeting agenda posted on the Regents website – regents.la.gov

Any public comments received will be read during the meeting. All public comments must include an agenda item number, a name and a brief statement. Public comments are limited to three minutes per comment.



3rd Quarter LaSTEM Advisory Council Meeting

Agenda 8/18/21

- **Welcome / Agenda Overview (Dr. Clint Coleman, Program Administrator)**
 - **New Member Introduction – (Christen Timmins, LATM & Dr. David Lafargue, LCTCS)**
 - **Roll Call**
 - **Meeting Minutes Approval**
- **Council Discussion (Dr. Clint Coleman)**
 - **2021-22 CEAs and Budgets for Regional Centers**
 - **Director Retreat/Strategic Plan Recommendations to Council**
 - **4th Annual LaSTEM Summit Progress Report (October 28th)**
- **Summer of LaSTEM Highlights (Regional STEM Center Directors)**
- **Other Business, Adjourn (Dr. Clint Coleman)**
 - **Public Comments**
 - **LaSTEM Quarterly Meetings for 2021**
 - **4th Quarter: Wednesday, November 10, 2021 – 10:00 am– 12:00 pm**

Welcome to LaSTEM!

Christen Timmins- LA Association of Teachers Mathematics



Christen Timmins is the current president of the Louisiana Association of Teachers of Mathematics (LATM). She holds a B.S. degree in Secondary Mathematics Education from Northwestern State University, and an M.Ed. in Special Education with a concentration in gifted education from Southeastern Louisiana University. A 17-year educator, Christen currently teaches at Fontainebleau High School in St. Tammany parish. Prior to joining the FHS faculty, she taught at suburban and rural schools across Louisiana and Texas. She has taught the spectrum of math courses from 7th grade math to Advanced Placement calculus. She has also taught life, earth, and physical science courses and sponsored a science club for eight years.

Passionate about improving mathematics education, Christen has led professional development sessions at the school, district, and state levels. As a graduate student, she conducted action research into improving students' conceptual understanding of mathematics topics and the feasibility of integrating art education into mathematics courses. She has mentored preservice and new teachers and inspired many of her own students to become educators. She was honored as her school's Teacher of the Year for 2016-17. Christen has been a member of the LATM Executive Council for 4 years.

Welcome Back to LaSTEM!

Dr. David Lafargue- Ex Director of Workforce Solutions at SOWELA Technical Community College



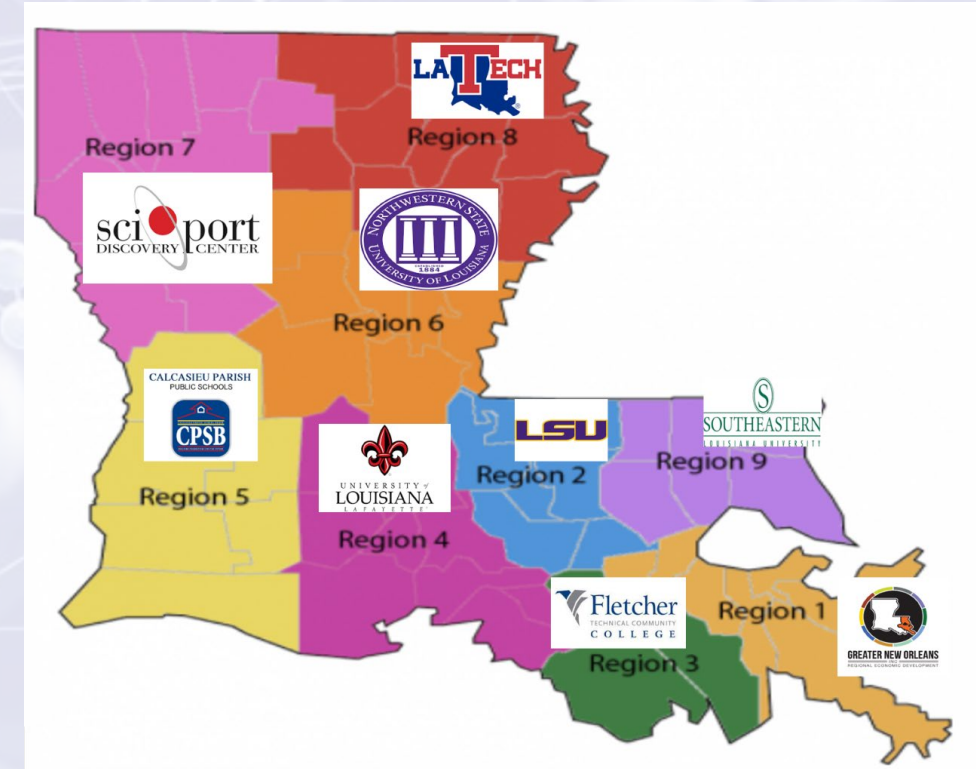
Dr. David Lafargue is the Executive Director for Workforce Solutions at SOWELA Technical Community College. He is charged with customized training, talent development, and creating solutions to meet the needs of Louisiana's workforce. Dr. Lafargue previously served as the LaSTEM and Cybersecurity Program Administrator at the Louisiana Board of Regents. He was responsible for the day-to-day operations of the LaSTEM Advisory Council and the Cybersecurity Education Management Council along with Louisiana's STEM and Cybersecurity alignment, fundraising, marketing, and strategic planning.

Dr. Lafargue began his career in the industrial field spanning ten years while advancing within petrochemical operations, project management, analytics, quality control, and training. He later transitioned to Louisiana's higher education system and taught as a faculty member for approximately six years. Dr. Lafargue later served in administrative roles as Department Chair and Dean for industrial programs spread over multiple districts in southwest Louisiana. This role led to responsibilities of supervision, curriculum oversight, program creation, facility design and workflow, training equipment procurement, creating and sustaining stakeholder partnerships, and fundraising. Dr. Lafargue's work experience spans approximately 22 years of building relationships and partnerships among businesses, educational stakeholders, and community-minded citizens throughout Louisiana and beyond.

Dr. Lafargue earned a Bachelor's degree in Engineering Technology, a Master's degree in Management and Leadership, and a Doctorate in Educational Leadership with an emphasis in Higher Education. His research focuses on post-secondary students in STEM fields using augmented and virtual reality as tools for learning.

2021-22 CEAs and Budgets for Regional Centers

- LaSTEM budget received a \$1 million boost in the FY21-22 budget
- Each center was provided access to \$170,000 via Collaborative Endeavor Agreements
- Due date to Board of Regents is 8/20/2021
- Additional dollars will support other statewide STEM initiatives

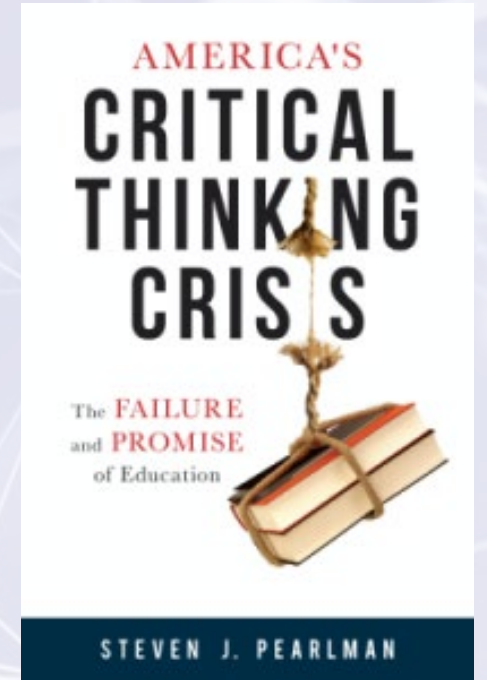


Director Retreat/Strategic Plan

- **Scheduled for October 5th, 2021 at Northwestern State University, CenLA campus**
- **LaSTEM Directors and key stakeholders will convene to discuss LaSTEM strategic plan**
- **Directors meet weekly to develop 'Call to Action'**
- **Thanks to Dr. Kristine Strickland for facilitating and Region 6 LaSTEM regional center for their offer to host**
- **Recommendations from Council**

4th Annual LaSTEM Summit Progress Report

- Originally scheduled for October 28th at the Raising Cane River Center
- Due to COVID surge, we are in discussions with NOCCI in New Orleans to pivot to virtual
 - NOCCI will provide complete turnkey solution
- Steve Pearlman, author of America's Critical Thinking Crisis, is tentatively scheduled to deliver keynote.



4th Annual LaSTEM Summit Progress Report

- Workforce focus this year
- Looking for dynamic speakers, panelists, vendors, non-profits to participate
- Suggestions from the council



2021 LaSTEM Annual Summit
'Working Together for a Future that Works!'

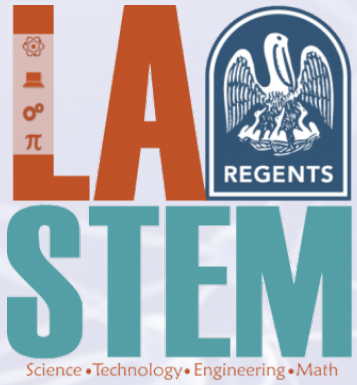
LA  **STEM**

Science • Technology • Engineering • Math

Save the Date! October 28th
Registration information coming soon!

#LaSTEMstrong #STEMworks4LA

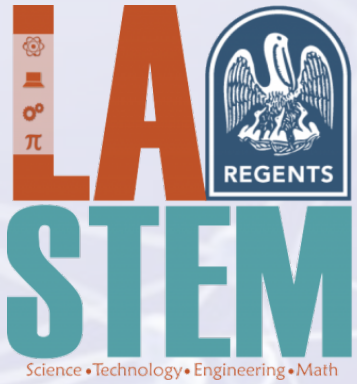
The banner features three small images: a field with a tractor, a person holding a drone, and an offshore oil rig. The background is blue with a network of white nodes and lines.



Region #8

Louisiana Tech University

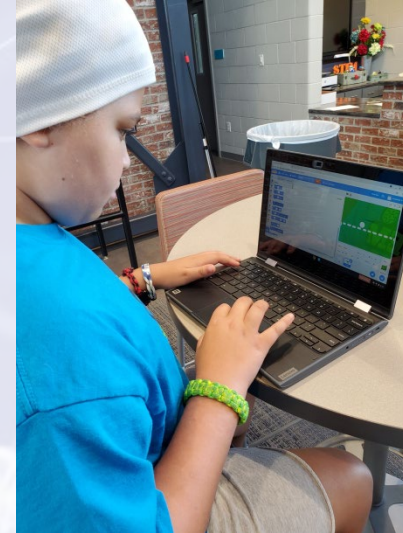
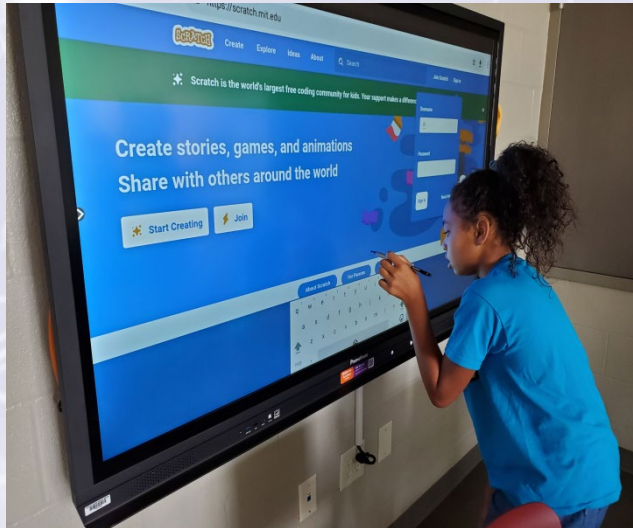
- Cathi Cox-Boniol, Interim Director
- Began Center with 9 Satellite Sites Within the SCILS Network
- Have Experienced Growth During the Summer Quarter by Bringing 3 New Partners Into SCILS
- For This Report: Highlighting New Partner Lincoln Parish Schools



Lincoln Parish STEM Center Summer of STEM

- # of summer STEM camps – 8 (3 different camps repeated for 2 sessions)
- Camps Offered – Camp Invention, Fairytale STEM, Media, Energy, Girls Who Code
- # of campers who attended a STEM Camp - 138 students, 68 boys & 70 girls (COVID restrictive numbers)
- # of Community Volunteers - 37 individuals including middle school, high school, and college students along with adults
- Hours Volunteered - 378 hours (60 hours to prepare for camp, 318 hours during camp)
- Parent Post Camp Evaluation - 100% of parents said the camps met their expectations, 100% of parents anticipate their student attending a STEM Camp next year
- Media Coverage – Three front page appearances in the Ruston Daily Leader and one Community page

Lincoln Parish STEM Center Summer of STEM



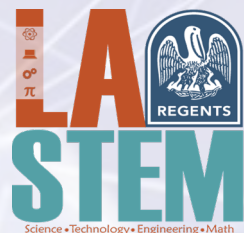


LaSTEM Region 9

Northshore Regional STEM Center

2021-2022 First Quarter Update, August 18, 2021

Dr. Wendy Conarro, Director



Louisiana Scholastic Esports Federation



North American Scholastic Esports Federation (NASEF) Affiliate

Esports for All: Louisiana Esports League Launch

July 19-22 - two webinars each offered two days at 9:00am, 1:00pm, and 7:00pm

Introductory and Get Started Webinars provided by NASEF

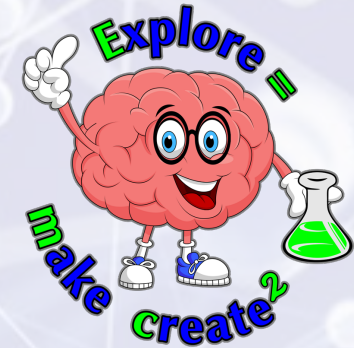
Broad interest and participation from a variety of groups and across the state

Registration - 46 individuals from 35 organizations

- Intro - 78% (36) attended; Get Started - 74% (34) attended; 65% (30) attended both
 - 19 schools from 9 districts
 - 10 high schools/8 districts; 6 middle schools/4 districts; 3 upper elementary/2 districts
 - 4 school districts (Calcasieu, Central, EBR, Tangipahoa)
 - 3 STEM Centers: Southwest, Northwest, and Northshore
 - 6 youth serving organizations: Girl Scouts, STEM Nola, LSU Ag/4H, GEAR UP, TRIO/Educational Talent Search, GTOD Church
 - 2 post-secondary: LaTech, Bossier Parish CC

Inaugural LASEF meeting: Monday August 23, 7:00pm

BRAIN FOOD TRUCK



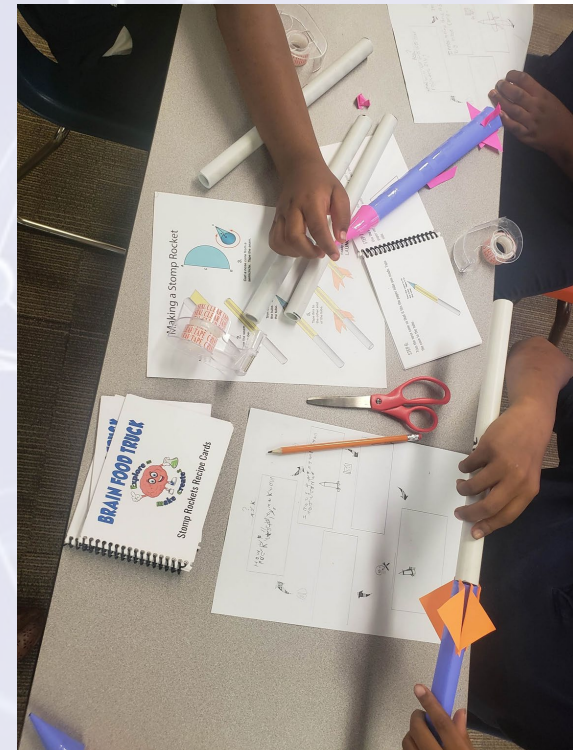
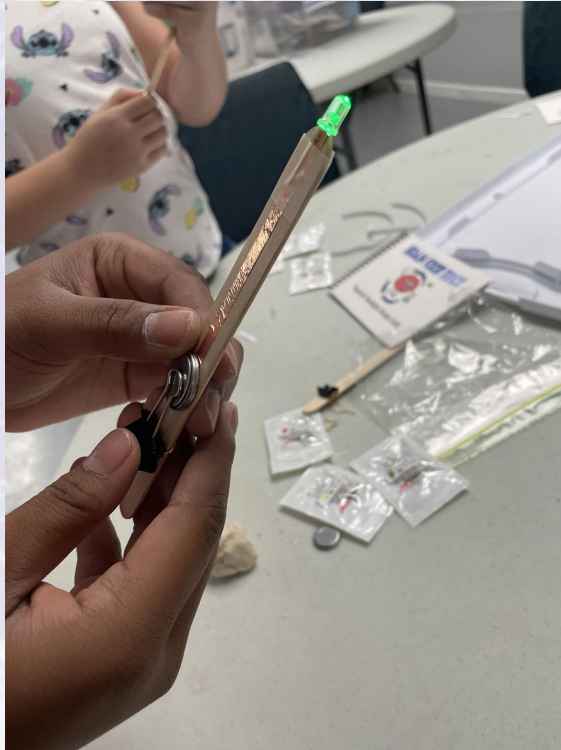
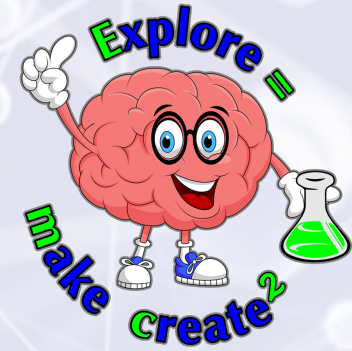
- Serving students and communities where they are
- Three trailers served four school districts and two youth-serving organizations for 7 weeks of summer programming with a total of 30 activities
- Target population - underserved, low-income, low-performing students

Organization	Weeks	Students	Activities	Activities per student
St. Tammany Parish Schools	4	898	3	1
St. Helena Parish Schools	1	16	13	13
Tangipahoa Parish Schools	4	1,018	17	1
Washington Parish Schools	1	560	13	13
City of Hammond	1	82	4	4
GTOD Church STEM Camp	2	25	27	27
Total		2,597		

Brain Food Truck

Standards-aligned, student-centered, hands-on STEM activities to feed the mind: physics force, motion, energy, and gravity from NASA Astro Camp and other sources.

BRAIN FOOD TRUCK



Americorps VISTA



Building our capacity to reduce poverty through STEM education

No cost to LaSTEM (in-kind match) - \$115,155

Thirteen positions

Northshore STEM Center/Southeastern Louisiana University as the Sponsor

- Northshore - 3 positions, one currently filled
- Capital Area - 2 positions
- Southwest Louisiana - TBD
- New Orleans (STEM Library Lab) - 2 positions
- LASEF - 2 positions statewide

Other Priorities

Advisory Committee - invitations in progress; first meeting in September

Strategic Planning

Shared communication system and metrics

Searchable stakeholder database

THANK YOU!



BROUGHT TO YOU BY:

Fletcher
TECHNICAL COMMUNITY COLLEGE™

the human energy company

JULY 12-16
GRADES K - 12

10 AM - 2:30 PM

Summer 2021
ASTRO CAMP
NASA's Distance Youth Space Experience!

REGISTRATION \$200

Virtual Reality **Engineering Challenges** **NASA Technology** **Amazing Science**

About Camp
Join Bayou STEM as we host the Bayou Region's Official NASA Astro Camp! You will receive your very own NASA Summer Camp kit stuffed full of out-of-this-world science!! Enroll early for this signature experience. Seating is limited!

How It Works

- Absolutely everything you'll need is included in your box.
- PARTICIPATE LIVE with others or work at your own pace.
- Each day holds new challenges and opportunities.
- Work with NASA experts and more!

Online Registration fletcher.edu/bayou-stem

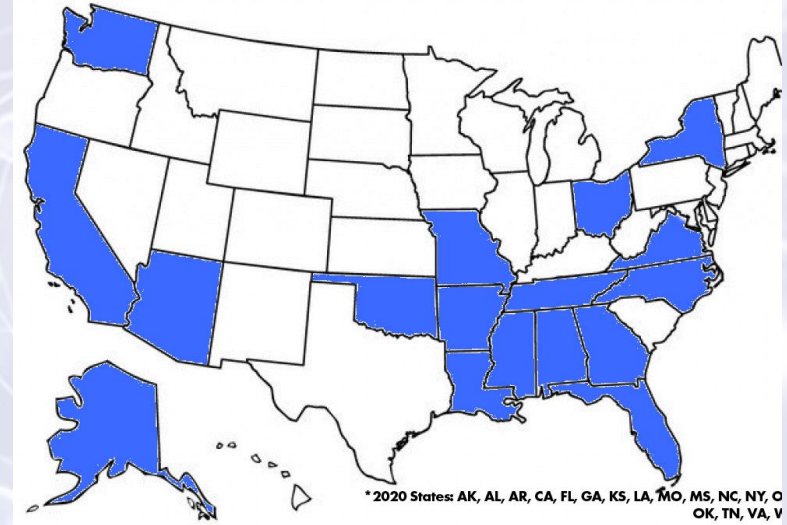
ASTRO CAMP



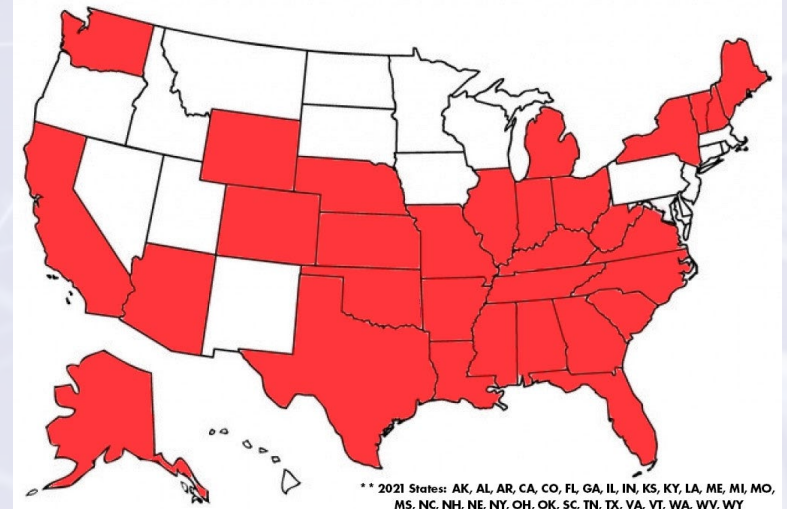
Fletcher's NASA Astro Camp 2020 vs. 2021 Impact

- **783 K-12 campers**
 - Increase of 371 from previous year
 - 326 parents participated with their children
 - 198 siblings participated
- **31 states and 9 countries represented**
 - Expanded into 14 states and 3 countries
- **Chevron's social investment reached over 1400 people in 5 days**
- **Region 3 broke NASA's single week attendance record**
- **Region 3 broke Zoom's single session unique sign-on summer camp record**

REGION 3 2020 NASA ASTRO CAMP OUTREACH*

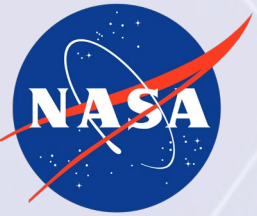


REGION 3 2021 NASA ASTRO CAMP OUTREACH**



2021 NASA Astro Camp Special Keynote: Callie Russell

- **History Channel Survival Show: Alone, Season 7 Runner-Up Winner**
- **Callie holds the record for longest documented primitive arctic solo survival in modern times (89 days) by a female**
- **Spoke to students about isolation challenges that Astronauts will face on their return to the moon and beyond!**



NASA Astro Camp long-lasting impact

- Over 97% of campers now consider themselves good at STEM-related activities
 - 40% increase
 - End of camp survey recorded more than 10 secondary student testimonials indicating a change in major to STEM-related fields
- 43 teachers trained in NASA Astrocamp instruction, advanced distance learning techniques, active learning methodology, and data capture for assessment/evaluation
- Camp resource page has been accessed 1211 times since the end of camp for additional impact:
 - 346 videos watched
 - Activity guide downloaded 394 times
 - 36 emails from Louisiana teachers requesting further NASA classroom resources and training

