



LASTEM 2022 ANNUAL SUMMIT

WORKING TOGETHER FOR A FUTURE THAT WORKS!



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TABLE OF CONTENTS

4	WELCOME
5	KEYNOTE SPEAKER
6	SCHEDULE SUMMARY
8	PANELISTS
14	PRESENTATIONS
24	ESPORTS
25	MOBILE STEM VILLAGE
26	VENDOR EXHIBITION

WELCOME



On behalf of the Louisiana Board of Regents, I am delighted to welcome you to the 2022 LaSTEM Summit! It has been a long and challenging time since we were last able to hold this amazing event in person, but since then LaSTEM has expanded its work to all nine regions of the state. We are excited for you to learn today about the progress that's been made, the wealth of engagement happening across Louisiana, and plans to secure a more prosperous state rooted in STEM.

This year's theme, 'Working Together for a Future That Works', focuses on our individual and collective efforts to create opportunities for all students, from elementary to career-transitioning adults, to leverage their STEM education and training into high-demand, high-wage careers. Working collaboratively toward this common goal has been at the heart of LaSTEM's mission since its founding and speaks to the importance of events such as this Summit, where stakeholders come together to learn from one another and share successes and challenges.

We encourage you to make the most of this chance to meet colleagues and counterparts, as well as see cutting-edge demonstrations and student participants at work. In addition, all Regional LaSTEM directors are in attendance, so stop by the LaSTEM booth in the Galleria to introduce yourself.

Agenda highlights include:

- Panel discussions of major topics
- 30+ discussion groups
- Student-led robotics demonstration room (my favorite!)
- E-Sports demonstration room
- Teacher workshops
- STEM outreach vehicles
- 40+ vendor, non-profit, and student club booths

We are excited for you to participate in these events throughout the day, as you learn new things, experience STEM-centered activities, and engage with stakeholders both new and old. Through our work together, we are building opportunities and securing a brighter future for Louisiana.

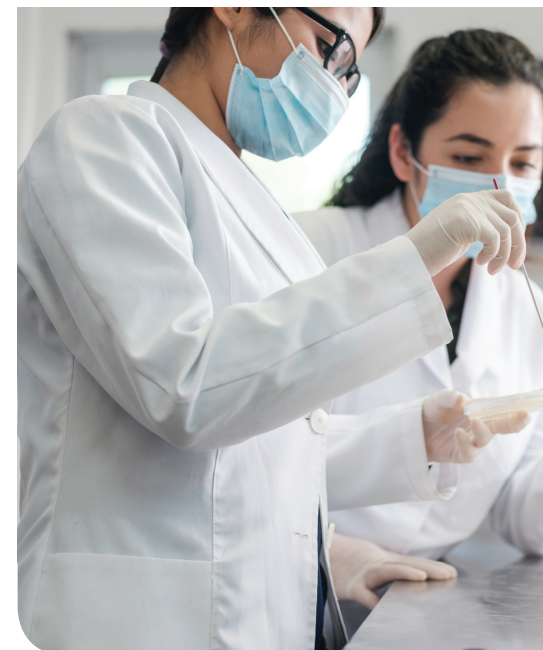
ENJOY THE SUMMIT!

Dr. Kim Hunter Reed,
Commissioner of Higher Education

KEYNOTE SPEAKER

STEVEN J. PEARLMAN, PH.D.

The author of *America's Critical Thinking Crisis: The Failure and Promise of Education*, Steve taught critical thinking and writing in higher education for 30 years at elite liberal arts colleges and large state institutions. In 2011, Steve founded one of the United States' first academic departments specifically focused on how to teach people to excel at critical thinking themselves. Through years of teaching and published research, he developed unique, neurobiology-based methods for teaching critical thinking, resulting in something exceptionally rare in academia: documented, campus-wide improvements in critical thinking. More recently, Steve founded The Critical Thinking Initiative in order to accomplish a twofold mission: to serve academia more broadly, and to extend the wisdom about critical thinking beyond academia alone. Steve has conducted countless trainings and presentations about critical thinking and related topics at academic institutions and conferences, and businesses. He is also frequently found in national and international media, including CBS Atlanta, The Hill, The Chronicle of Higher Education, Connecticut Today, First Coast Connect, The Nation Speaks, Point of View Radio, and on his podcast, Headagogy.



SUMMIT SCHEDULE

BALLROOM					
8:15 A.M.	Doors Open				
8:50 A.M.	Kickoff/Opening, Dr. Clint Coleman, Program Administrator of LaSTEM and Dr. Kim Hunter Reed, Commissioner of Higher Education				
ROOM 1/2	ROOM 3	ROOM 4	ROOM 5	ROOM 6	
9:15 A.M. Bringing Coastal Issues into the Classroom with Virtual Field Trip Investigations: CWPPRA Watermarks 360	Geaux Scholastic Esports!	Metacognition: Showing Students How to Effectively Study	LSU STEM Pathways and LSU ONE: The LSU System's New College and Career Readiness Program	EVERFI's Digital Tools for Career Exploration, STEM and More!	
10:15 A.M. STEM – Athletics: Using Sports to Make Real-World STEM Connections	Designing Success: STEM/STEAM, CTE & SPS	Working to Emphasize Soft Skills in Higher Education	Journey to a Better World: Empowering Education	Biology For Majors Laboratory Classroom to Go Pilot Study Overview	
11:15 A.M. Supercharge Your STEM Content: Using Hands-On Lessons to Increase Engagement	So You Want to Start a Makerspace?	HyFlex Delivery: A Strategy for Future-Proofing Education	Starting and Expanding STEM in a District	First Robotics Competition: Not Just Robots	
1:45 P.M. STEM in the 21st Century Classroom	STEM in Early Elementary	Enhancing Existing Curriculum by Bringing GIS Technology into K-12 Education, LA Student Standards-based	Best Practices in Education and Industry Partnerships	What do 90% of Kids Have in Common? Learn How to Break Barriers and Engage Struggling Students Using Game-Based Learning	
2:45 P.M. PK-12 Math Taught via Robotics-Coding Using Standards - 20%-30%+ Proficiency Increase Using 21st Century "Hands-On" Interaction	Creating 360° Virtual Field Trips for the Science Classroom	Knock Knock Children's Museum's Making Spaces Initiative: Making and Tinkering in PreK-3rd Grade as a Pathway to STEM/STEAM	Employers as Integral Partners in Developing Work-Ready STEM Students	Computer Science Ed for Louisiana! Teaching Industry Professionals (Microsoft TEALS Program)	

BALLROOM					
12:00 P.M.	Lunch, featuring Keynote Speaker, Dr. Steven Pearlman				
3:45 P.M.	Closing, Dr. Clint Coleman				
ROOM 7	ROOM 8	ROOM 9/10	ROOM 11	ROOM 12/13	BALLROOM
Teaching STEM in the Metaverse: Roblox Studio & Project Lead The Way	Promoting Equity and Diversity Across the Health Sciences	PANEL 1: Listening to the Employers	Welcome to Scholastic Esports	Robotics	Mobile STEM Village - Mechatronics Mobile Lab - Northshore Technical Community College
Computer Coding Curriculum for Hour of Code & Beyond, PreK-AP - Tynker	Improving Pre-Engineering and Computer Science Education Through Micro-Credentialing an US DOE EIR Grant Update	PANEL #2: Encouraging Girls and Women to Pursue STEM (10:45 A.M.)	Scholastic Esports: Engaging Students Through Games and Learning	Robotics	Mobile STEM Village - STEAM Express - Livingston Parish Schools
BRBytes: How to Offer High-Quality Computing Courses at No Cost to Your School	STEM and Computer Science Career Awareness - Students Can't Be What They Can't See		Shoutcasting!	Robotics	Mobile STEM Village - The Brain Food Truck - Northshore Regional STEM Center
Throw Me Something, SISTER! Enriching the Lives of Women and Girls Through the Gift of STEM	Innovative Grassroots STEM Pathways	PANEL #3: Responding to Workforce Development Needs Through LCTCS' Industry-Education Partnerships	Implementing Scholastic Esports at Your School	Robotics	Mobile STEM Village - Gator Mobile - Northshore Technical Community College
STEM Empowered Students and Agency in the Digital World	Homes for the Hurricane Homeless: STEM Unit Incorporating Natural Disasters with Design Thinking Principles		Jumpstarting your Esports	Robotics	Mobile STEM Village - Tangipahoa Parish STEAMLiner

PANEL 1 | 9:15 A.M. - 10:25 A.M. LISTENING TO THE EMPLOYERS ROOMS 9/10

Description: Bringing educators and industry leaders together to discuss current challenges related to shortages of skilled workers and their impact on innovation and success; and to brainstorm solutions and initiatives that could help address these shortages.

DR. DAVE NORRIS, MODERATOR

Chief Research and Innovation Officer,
Louisiana Tech University



Dr. Norris is the Chief Innovation Officer at Louisiana Tech University. He leads the university's innovation and economic development missions. He has served on several national and statewide boards including the North Louisiana Economic Partnership, the Louisiana Business Incubator Association, the LONI Economic Development Advisory Board, the Louisiana Tax Reform Task Force, the Louisiana Higher Education Task Force, the Louisiana Occupational Forecasting Conference, and the University Economic Development Association. He is past President of the Board of the Greater Ouachita Coalition for AIDS Resources and Education and serves on the board of the Living Well Healthcare Foundation. Dr. Norris was previously a member of the economics faculty at Northeastern University in Boston (2000-2002), served in the Office of the Chief Economist at the U.S. Department of Health and Human Services (1998-2000), and served as the Independent Economist for the State of Louisiana (2002-2005). He has also been a visiting faculty member at the University of the Mediterranean at Reggio Calabria, Italy (2013-2017). He received his undergraduate degree from Louisiana Tech University and his master's and Ph.D in Economics from the University of Texas at Austin. He is married to Dr. Amanda Norris, a psychologist, and they have 4-year-old twins—Claire and Jack. In his spare time—which he works hard to maximize—he enjoys climbing mountains, floating rivers, snow skiing, basketball, tennis, good whiskey, and mostly hanging with his twins.

ALLISON F. SHARAI, PMP, PANELIST

AVP of Community and School
Partnerships, Ochsner Healthcare



Allison Sharai is the Assistant Vice President of Community Affairs & School Partnerships at Ochsner Health System, which includes strategic and operational oversight of P-12 School Partnerships, STEM Education Programs, School Health Initiatives and Community Benefit Strategy statewide. Allison's background is in education policy, strategic communication, and project management. She is a graduate of the Louisiana Stand for Children Education Leadership Institute and a graduate of the LAPCS Charter Board Leadership Fellowship. Allison has been active in the Greater New Orleans education community for over a decade, focused on the intersection of education and industry, equitable access to high-quality education and professional development for teachers and staff. Allison serves on the board of directors for several non-profit STEM and education focused organizations including Discovery Health Sciences Foundation, Jefferson Dollars for Scholars, and others. She is an active member of many state and local committees focused on education policy, early workforce pipeline and health sciences education. Securing over \$2 million in funding for STEM education and research and reaching over 60,000 students and teachers, Allison has led the dynamic Ochsner Education Outreach team in the relentless pursuit to connect the classroom to careers, enhance STEM literacy, and drive student and teacher achievement, persistence, and confidence in "doing-science." Allison is a 2019 TEDx speaker, but above all else, she is a wife, a mother of two beautiful children and a child of 4 generations of professional P-12 Public School Educators.

WILLIAM LABAR, PANELIST

Vice President, CGI Federal



William LaBar is a member of CGI, the world's 5th largest independent IT consulting and business process services company with 78,000 members in 400 offices across 40 countries. Mr. LaBar is the Vice President of CGI's U.S. Onshore Delivery Program which has created more than 1,800 jobs across 7 geographies in the US. This program is focused on generating significant economic development and diversification impact through workforce development partnerships with state and local governments, universities and local community organizations (including approximately 700 jobs in CGI's Lafayette Center of Excellence). Will's team also leads the US-wide STEM@CGI program. This program is focused on introducing students in demographics that are underrepresented in STEM fields (including students who are female, Black, Latino, Indigenous, have disabilities and/or are economically underserved) to IT related careers and concepts such as software development and data science. As a member of the Lafayette community, Will sits on the Executive Committee of One Acadiana, is the President of Downtown Lafayette Unlimited (a 501 C (6) supporting the revitalization of downtown Lafayette) and has been actively engaged in supporting CGI's Corporate Social Responsibility projects across Lafayette.

RONNIE MORRIS, PANELIST

BESE Member, Chair of Academic Growth
and Instructional Improvement, BESE
District 6



Ronnie Morris is an elected member of the Louisiana Board of Elementary and Secondary Education (BESE), representing District 6. Mr. Morris also serves on the LaSTEM Advisory Council. He was born in Shreveport, LA and graduated from Louisiana State University with a Bachelor of Science in Electrical Engineering and a Masters in Business Administration. Mr Morris retired in 2021 as an operations manager with ExxonMobil after a 25-year career.

He served as a founding board member/treasurer of the BASIS Baton Rouge School, founder/president of We Produce Grads and a mentor in the ExxonMobil Diversity Scholars Program.

Mr. Morris and his wife Allyson founded the McCollister Leadership Award, which provides scholarships for LSU students pursuing a career in Education. They are blessed with four children and five grandchildren.

XANDER LORENZ, PANELIST

Project Engineer, Intralox



Xander Lorenz has been involved with Project Management in one capacity or another for the better part of 18 years. He has managed projects as large as \$75 million dollar flood walls and levees in the Greater NOLA area, all the way down to \$5,000 for manual tools used to align plastics modules packed in cardboard boxes. Currently, in his role as Project Engineer with the MEG group at Intralox, he manages between 10 and 15 projects spanning \$5,000 to \$2 million in value, which support Intralox plastics manufacturing plants. This equipment helps these plants improve efficiency, capacity, safety and capability to keep up with high-growth and new product releases across the global Modular Plastic Conveyor Belting industry.



PANEL 2 | 10:45 A.M. - 11:55 A.M. ENCOURAGING GIRLS AND WOMEN TO PURSUE STEM ROOMS 9/10

Description: Raising awareness of the importance of corporate engagement to empower more girls and women to pursue and succeed in STEM careers and a call to action to collaborate to increase efforts.

There are not enough women entering STEM career programs in schools and within the workforce. If women do gain STEM positions, they often do not stay in the field. How do we address these problems? Some reasons may be impart from the culture of these fields and lack of encouragement from parents, community, mentors, and role models to have young women pursue and remain in these industries. Among the panelists are four passionate women who will share their perspectives and insights on the STEM career experiences, the reasons we need more women in STEM, and the modifications their organizations are making to change this equation.

DR. ZAKIYA S. WILSON-KENNEDY, MODERATOR

**Assistant Dean for Diversity & Inclusion,
College of Science & Associate Professor
of Research, Chemistry Education, LSU**



Dr. Zakiya S. Wilson-Kennedy is an Associate Professor of Research in Chemistry Education and the Assistant Dean for Diversity and Inclusion within the College of Science at Louisiana State University (LSU). Her research focuses on efforts that broaden the participation of groups underrepresented in STEM and investigates the persistence of individuals from all backgrounds in STEM academic programs and careers. Her education research is published in peer-reviewed journals, such as the Journal of Science Education and Technology and the Journal of Chemical Education. She served as the principal investigator for the 2014 Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring (PAESMEM) organizational recognition of the LSU Office of Strategic Initiatives, and has personally received several awards for diversity and STEM education.



KRISTIN THOMAS-MARTIN, PANELIST Baton Rouge Plastics Plant Manager, ExxonMobil



A native of Pittsburgh, Pennsylvania, Kristin began her career with ExxonMobil in 2006 at the Baton Rouge Chemical Plant after graduating from the University of Tennessee with a chemical engineering degree and after working at Dow Chemical Company for almost two years.

Kristin spent the first few years with ExxonMobil in Baton Rouge, holding several developmental engineering roles within the Basic Chemicals and Intermediates businesses. In 2010, she relocated to Houston, Texas, where she worked for the company's Gas & Power Marketing business. In 2012, she returned to the Chemical Company to serve as a process supervisor at the Baytown Olefins Plant. She began a role as Planning Manager for the Chemical Company's Americas Regional Director in 2015. In 2016, she moved to Brussels, Belgium, where she spent three years in the Basic Chemicals business in both Planning and Feedstock and Optimization roles. In 2019, upon repatriation to the US, Kristin became the Operations Manager at the Baton Rouge Polyolefins Plant, before becoming the Plant Manager at the Baton Rouge Plastics Plant in August 2021.

DONNA BAILEY, PANELIST

**Vice President of Human Resources,
RoyOMartin**



Donna Bailey, a native of central Louisiana, holds a Bachelor of Arts in Education from McNeese State University, a Master of Science in Human Resources, with a concentration in leadership development, from Louisiana State University, and is a doctoral candidate at Baylor University in Learning and Organizational Change. As an educator for 12 years, Donna held positions such as Louisiana State Mentor, LEAP Coach, SAGE Specialist, and School-Improvement Chairperson, and worked throughout the parish in curriculum and training development.

For the past 17 years, Donna has been employed at RoyOMartin, where she has held several positions in human resources and is currently vice president of human resources. Donna is the first female to hold the title of vice president in the company's 99-year history.

At RoyOMartin, Donna has led many workforce-development programs that have been nationally recognized by ACT and the National Association of Manufacturing.

Donna serves on the ACT Work Ready Community Committee at parish and state levels, the Region 5 Workforce Development Board, the Region 6 Jump Start Committee, and the Agriculture Education Commission for the State of Louisiana. She has been recognized nationally for her efforts in workforce development including the STEP Ahead Award from The Manufacturing Institute in Washington D.C.

TERRIE JOHNSON, PANELIST

**Hybrid Cloud Management Lead, IBM
Consulting Services**



Terrie Johnson is an IBM Senior Delivery Manager with over 33 years of Information Technology experience, which includes 29 years at IBM.

She started her career with IBM as an Intern Application Programmer working at NASA Johnson Space Center in Houston, Texas. She has held

numerous roles at IBM and throughout her career she has managed over 250+ resources, trained 500+ resources, and has a passion for building successful teams. Terrie Johnson serves as Vice President for the Zachary Chamber of Commerce Board and is a member of the Baton Rouge Community College (BRCC) Computer Science Advisory Board. She is a volunteer for the non-profit organization "Achieve-To-Succeed" and is an active participant in IBM's Pathways to Technology (P-Tech) program.

KELLY MARTIN-RIVERS, PANELIST

**Director of Education, NASA Stennis
Space Center**



Ms. Martin-Rivers joined Stennis Space Center's Office of STEM Engagement in the spring of 2016 as the STEM Activities Program Manager leading implementation of the national Astro Camp program, national MUREP Educators Institute, NASA Community College Aerospace Scholars, and K-12 STEM engagement across Mississippi and Louisiana. Ms. Martin-Rivers is currently the Director of Education for the Stennis Space Center.

Prior to joining NASA, Ms. Martin-Rivers served 3 years as the Chief of Instructional Design Services for the Department of Defense Education Agency (DoDEA). At DoDEA, Ms. Martin-Rivers led a global team of instructional designers in developing custom online content and interactive instructional applications for the DoDEA Virtual High School program, DoDEA Summer School program, and the professional and administrative development of education staff around the world.

Ms. Martin-Rivers graduated from The Ohio State University. Following her graduate work at George Mason University in Special Education Technologies and the University of Virginia in Project Management, Ms. Martin-Rivers was an educator for over 29 years.



PANEL 3 | 1:45 P.M. - 2:55 P.M. RESPONDING TO WORKFORCE DEVELOPMENT NEEDS THROUGH LCTCS' INDUSTRY-EDUCATION PARTNERSHIPS ROOMS 9/10

Description: Discussing the development of regional industry-education partnerships, the impact of industry-aligned programs offered at LCTCS colleges, and how industry and education members are working together to fuel workforce development in areas such as maritime, manufacturing, maintenance, and service. Panelists will share how they utilized their industry-aligned education and training to transition from education to employment.

ALISON D. BORDELON, MODERATOR System Director, Industry Aligned Career Pathways, Louisiana Community and Technical College System



Alison D. Bordelon is the Director of Industry Aligned Career Pathways for the Louisiana Community and Technical College System (LCTCS), which oversees two-year public institutions of higher learning throughout Louisiana. Alison brings over 25 years of experience in higher education, business development, program management, and strategic planning. She currently provides strategic guidance to the 12 LCTCS colleges, establishing industry-education partnerships that yield industry-aligned programs preparing students for transition from education to employment. Alison is passionate about utilizing workforce development strategies, providing opportunity for students to attain education, training, and industry-recognized credentials. Alison earned a Bachelor of Science in Accounting from the University of Holy Cross and a Master of Business Administration from the University of New Orleans. Alison has served on many academic, economic development, and non-profit boards, and was appointed by the Governor of Louisiana as a Commissioner of the BioDistrict New Orleans, currently serving as Secretary/Treasurer.

JESSICA STEGALL, PANELIST Human Resources Specialist, Danos



Jessica Stegall is a human resource specialist at Danos. With eight years of industry experience, she focuses on Danos' ongoing recruiting efforts and the onboarding experience of employees. Jessica joined Danos in 2019 as recruiting coordinator. Prior to Danos, Jessica worked in benefits administration and employee relations within the oil and gas industry. Before joining the energy sector, Jessica worked in the media industry for seven years, with her last role as production manager.

SARAH HANELINE, PANELIST Workforce Development Manager, BASF



As Workforce Development Manager for BASF's manufacturing sites in Geismar, Louisiana, Sarah Haneline is responsible for managing efforts to attract, develop and retain top, diverse talent. Her work includes fostering an interest in science, technology, engineering, and math (STEM) with local students and connecting that interest to careers at BASF, as well as providing learning and development opportunities to support employees throughout their careers. She has a passion for connecting people with opportunities to help them reach their full potential.

BOBBIE SIKES, PANELIST

Bobbie Sikes & Captain Phillip Tobias,
Florida Marine



ELIZABETH BECKHAM, PANELIST

Learning & Workforce Development
Manager, Turner Industries Group LLC



Elizabeth Beckham, MS is a human resources development professional with flair for information technology, experienced in talent management, human resources system administration and configuration, full life cycle recruiting, performance management, coaching, needs assessments, employee development, instructional design and development, and everything else that can happen between onboarding and offboarding.

In her role at Turner Industries, Elizabeth a member of the national and local award winning Workforce Development team. This team is tasked with building a world class workforce by enabling employees to learn, grow, and development with a sense of company spirit, upgrading the skill levels of current and future employees, inspiring people to perform to their fullest potential by maintaining a working culture of inclusion, respect and safety, and promoting industrial construction as a career choice.

TRAVON WILLIAMS, PANELIST

Employee, Danos & Fletcher Technical
Community College Graduate



Travon Williams graduated from Fletcher Technical Community College and began his career with Danos.

PRESENTERS | 9:15 A.M. - 10:00 A.M.



ROOMS 1/2

JACQUELINE RICHARD

Interim Dean of STEM, Fletcher Technical Community College

Bringing Coastal Issues Into the Classroom with Virtual Field Trip Investigations: CWPRA Watermarks 360

This workshop couples coastal issues and STEM investigations for middle school students, but is adaptable for all ages. This virtual field trip brings students to the Caminada Headlands and Back Barrier Marsh creation project to explore very pressing, local issues. The first investigation is a series of hot spot videos exploring different STEM aspects of this restoration project. The second part is a kit containing experiments that further explore the engineering behind restoration projects.



ROOM 4

M. KAREN MENGE

Assistant Professor, Delgado Community College

Metacognition: Showing Students How to Effectively Study

The presentation will examine the difference between studying and learning what metacognition involves and how you can help your students turn themselves into efficient, expert learners. We will look at Bloom's Taxonomy, the Study Cycle and some effective metacognitive strategies.



ROOM 5

DR. FRANK NEUBRANDER

Executive Director, Gordon A. Cain Center for STEM Literacy

LSU STEM Pathways and LSU ONE: The LSU System's new College and Career Readiness Program

The presentation will focus on recent changes to the LSU STEM Pathways as well as on LSU ONE, the new one-stop College and Career Readiness Program of the LSU System. LSU ONE will be offering over 130 LSUA, LSUE, LSUS, and LSU A&M dual enrollment and STEM high school courses. Its goal is to provide all Louisiana school systems with opportunities to offer school-based, fully facilitated dual enrollment and/or STEM high school courses leading to university or TOPS Tech diplomas, college credit (academic and/or career-technical), associate degrees, and/or industry-based certifications.



ROOM 3

JEFFREY HARRISON

Director of Network Operations, East Baton Rouge Parish School System

Geaux Scholastic Esports!

The presentation will cover information and experiences relevant to:

1. The current state of Esports in EBR Schools, Louisiana, and the nation.
2. Esports IT Items - Technical requirements, Esports equipment procurement, Esports vendors.
3. Curriculum and the NASEF Scholastic Esports Ecosystem.



ROOM 6

CAMILLE WEISHUHN

K-12 Implementation Specialist, EVERFI

EVERFI's Digital Tools for Career Exploration, STEM and More!

EVERFI offers a variety of supplemental resources around career exploration, financial literacy, entrepreneurship, STEM and more. Learn how to bring these concepts alive for your students with the no-cost, standards-aligned digital resources we provide to teachers. In this session, teachers will gain access to their accounts, preview the digital resources and lesson plans and learn how to integrate EVERFI's courses in their classrooms to enhance current curricula and student engagement.



ROOM 7

MARY W. ARRASMITH

Director of School Success, Project Lead The Way, Western Division

Teaching STEM in the Metaverse- Roblox Studio & Project Lead The Way

Are you ready to teach STEM in the Metaverse? Come and learn how PLTW students take on the role of real-world professionals to create game experiences that engage and foster unlimited creativity. Using Roblox Studio as a tool for learning, students explore concepts like physics, modeling, coding, scoring, and game strategy. Discover how our students will explore career connections and develop transportable skills that prepare them for whatever career they choose! Join us to find out how our exclusive partnership with Roblox will engage and inspire your students. (Online only session)



ROOM 8

SARAH WEHLAGE

Education Outreach Program Coordinator, Ochsner Education Outreach

Promoting Equity and Diversity Across the Health Sciences

As the largest healthcare system in Louisiana, Ochsner Health recognizes its responsibility in helping to remove barriers to and promote equity in health science education opportunities across the state. The Ochsner Education Outreach team is dedicated to positively impacting K-12 education outcomes by connecting classroom learning to a career path, enhancing STEM literacy, and driving student achievement and confidence in science. Ochsner will share best practices in increasing equitable access to high-quality STEM learning. This session will detail how our programs identify and remove barriers through partnering with different community organizations and the structures built in to ensure equity of opportunity for students. Presenters will dive into the concepts and goals behind flagship programs, which support students in their current career exploration and future success beyond the program.



PRESENTERS | 10:15 A.M. - 11:00 A.M.



ROOMS 1/2

ERIC B. LEWIS

Director of STEM Programming, Baton Rouge STEM

STEM - Athletics: Using Sports to Make Real-World STEM Connections

Attendees will be guided through a series of examples where STEM is integral to popular sports. We use these examples to engage students in their core subject learning and skill attainment. Additionally, we illustrate how students can then practice their respective math or science skills during their participation in their chosen athletic endeavors.

workforce. By demonstrating examples of classroom-ready exercises for students in higher education, participants in this presentation will explore ways to help their students develop soft skills such as problem solving, team work, and critical thinking. Modeling soft skills in the classroom reinforces their importance particularly when highlighted in content-specific examples. Engaging students to identify and improve upon soft skills leads to a stronger workforce.



ROOM 5

DR. JAMIE NEWMAN

Associate Professor of Biology, VISTA Center, Louisiana Tech University

Journey to a Better World: Empowering Education

Today's students are eager to solve the global challenges that we face. They want to help the environment, end racism, cure disease, and help their communities. Empowering today's youth to be part of that change now is critical to the development of strong and diverse leadership today and in the future. The Visual Integration of Science Through Art (VISTA) Center at Louisiana Tech University and Inspire Project have partnered to create a series of books that educate and empower school-aged children to be part of the solution and positive change we need.



ROOM 3

BETH B. FONTENOT

Teacher, St. Landry Parish Schools

Designing Success: STEM/STEAM, CTE & SPS

An approach to achieving educational and academic goals



ROOM 4

DR. ANNE CASE HANKS

Director of School of Sciences University of Louisiana at Monroe



MS. MALLORY BENEDETTO

Coordinator of QEP, University of Louisiana at Monroe

Working to Emphasize Soft Skills in Higher Education

This presentation will focus on incorporating soft skills into STEM disciplines in order to empower students of today for a contemporary



ROOM 6

KASI GUILLOT

Chief of Higher Education, Central Creativity

Biology for Majors Laboratory Classroom to Go Pilot Study Overview

Instructional laboratories are a common experience for all high school



ROOM 8

DR. JOHN UNDERWOOD

STEM Specialist Pre K-12, Louisiana Department of Education

Improving Pre-Engineering and Computer Science Education through Micro-Credentialing an US DOE EIR Grant Update

In October of 2019 LDOE, RAND, BloomBoard Inc, LSU STEM Pathways, and Project Lead The Way began a four-year project to develop, create, and study the impact of micro-credentialing (MCs) on the practices of STEM educators. The team has developed 18 unique MCs. These MCs are designed to use portfolio-based assessment to examine educator's pedagogical practices and offer feedback to boost educator proficiency. Due to COVID-19, the recruitment of educators was delayed until 9/1/21. This will be the first public sharing of data and an opportunity for stakeholders to share input with the study's PIs and evaluation team. The preliminary information shared will be from year 1 of a 2-year study.

and college students who enroll in a STEM course because laboratory experiences link theory to practice. Due to impacts from COVID-19, traditional on-campus laboratories have faced limited in-person class time, budget constraints, space limitations and limited teaching resources. In addition, the need to provide laboratory experiences off campus continues to rise. Laboratory kits are an alternative to traditional labs and allow students to actively engage in activities in both the classroom and at home. In this pilot study, we aimed to measure the achievement of three broad areas to demonstrate the advantages of utilizing the Biology for Majors Classroom Kit: 1. Learner outcomes as defined by improved academic achievement, learner motivation, greater understanding of concepts and positive learner attitude. 2. Pedagogical contributions including enhanced enjoyment while using AR, increased student engagement, promotion of self-learning and collaborative opportunities. 3. Other, defined as ease of use, reduced material costs and visualization of abstract concepts.



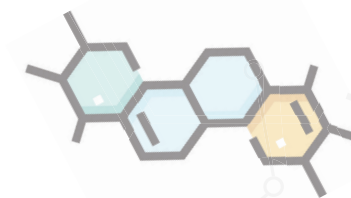
ROOM 7

DEBRA SIMPSON

Tynker Education Partnership Lead for Gulf Central States

Tynker Computer Coding Curriculum for Hour of Code & Beyond, PreK-AP

Together with our NASA partners, let's engage with Tynker's FREE Hour of Code content and see how Tynker can be your key to computer coding for PreK-AP. See how your students can learn to code even if you have little to no experience with coding. Let Tynker be your partner so all students are on a path of computer coding mastery.



PRESENTERS | 11:15 A.M. - 12:00 P.M.

ROOMS 1/2

LEIGH LENOIR

Director of Education, STEM NOLA

Co-Presenters: Dana Allen, Director of Programs & Nia Castille, Professional Development Coordinator

Supercharge Your STEM Content Using Hands-On Lessons to Increase Engagement

STEM NOLA's facilitators will use our NGSS Standards-based hands-on material kits to demonstrate multiple ways that interactive teaching increases student understanding and engagement. The attendees will complete a "build" as the workshop is being presented as if they were students in their own classrooms. By immersing the teachers in the lesson, instead of just reading a PowerPoint to them or having them define terms, they will gain valuable knowledge of how STEM NOLA's curated content provides an engaging, comprehensive STEM curriculum.



ROOM 4

DR. AMANDA ROSENZWEIG

College Biology Department Chair, Delgado Community College

HyFlex Delivery: A Strategy for Future-Proofing Education

HyFlex – what is it? Why use it? Your child is sick. Your car breaks down. You are a veteran having a tough day. These are daily occurrences in the lives of our students. Missing class and falling behind add stress. Importantly, these events create a domino effect that prevents achieving academic goals. Imagine you can accommodate students at these times. What if you could give them options for meeting class requirements through a hybrid flexible course design and delivery? Would you?



ROOM 5

MICHAEL SIMMONS

Director, Denham Springs High School STEM and Robotics Center

Starting and Expanding STEM in a District

This presentation will explain how Livingston Parish opened a STEM and Robotics Center in Denham Springs in 2019. There will be focus on the strategies behind the growth of the curriculum, enrollment, and faculty. Finally there will be discussion of how we are expanding the curriculum to the middle and elementary schools in the parish through LSU STEM Pathways, Project Lead the Way, and modules integrated into the curriculum from Pre-K through 8th grade.

ROOM 6

CAROLYN ARTHURS

FIRST Robotics Regional Director for Louisiana and Mississippi

FIRST Robotics Competition: Not Just Robots

FIRST Robotics is a proven path to success. Learn more about FIRST from Regional Director Carolyn Arthurs with Special Guests:

- Rhye McCloed, of Central Creativity, gives proven statistics of how FIRST Robotics changed the game in an F-rated school district.
- Torbotics Team 2080 from Hammond, Louisiana – Hear first-hand accounts of the impact of FIRST Robotics in the path to excellence and post secondary success.
- Team Phenomena from Lafayette, Louisiana – innovating equity and inclusion with their Top 20 Global Innovation-nominated invention



ROOM 7

DR. JUANA MORENO

Project Director, BRBytes, Louisiana State University

Co-Presenters: Fernando Alegre, Associate Director, BRBytes and Louisiana State University; Rose Kendrick, Program Manager, BRBytes and Louisiana State University; Benjamin Necaise, Associate Superintendent, BRBytes and East Baton Rouge Parish School System; Dr. Zuhail Yilmaz, Research Manager, BRBytes and Louisiana State University

BRBytes: How to Offer High-Quality Computing Courses at No Cost to Your School

Jobs requiring computing skills are projected to see the largest 10-year growth among all professions in Louisiana. Funded by two federal grants, the BRBytes

team is developing introductory courses, training teachers, and partnering with schools across the state, with the goal of making students aware of opportunities and providing them with solid foundations towards careers in computing. We will describe our courses and how to offer them at no cost to your school.

ROOM 8

JOSHUA SNEIDEMAN

Vice President, Learning Blade

STEM and Computer Science Career Awareness: Students Can't Be What They Can't See

Hear from Vernon Parish teachers and students about how using Learning Blade® builds middle/high school students' career visions and interests, while also providing specific enrichment in reading, math, science, and technology. Explore how the Learning Blade® system of interactive online lessons, teacher lesson plans, and printable at-home activities for 5th to 9th graders can enhance your curriculum. Help your students learn about high-demand STEM, CTE careers.



ROOM 3

ROBBY STANLEY

Makerspace Coordinator, St. Martin's Episcopal School

So You Want to Start a Makerspace?

Makerspaces are among the hottest trends in education today! Thanks to the availability of rapid-prototyping tools like 3D printers, students and teachers are taking another look at learning through making. Robby Stanley, a makerspace expert, designer, and teacher, will give you loads of ideas about makerspaces & how to bring this approach to your community. Covering such topics as vision-casting, budget, equipment, and safety, you'll walk away with ideas to shake up how you think about making!

PRESENTERS | 1:45 P.M. - 2:30 P.M.



ROOMS 1/2

JENNY MCLEOD

Chief Operating Officer, Central Creativity

Co-Presenter: Rhye McLeod, Chief Innovation Officer, Central Creativity

STEM in the 21st-Century Classroom

Looking for a fresh way to engage your students in learning that is relevant, impactful, and FUN? Join us as we share standards-based resources that promote cross-curricular educational opportunities. Experience hands-on STEM activities that encourage collaboration and investigation in any learning environment. Participants will take home a sample box filled with dynamic "grab and go" STEM experiences that are being implemented in K-12 classrooms across the nation.



ROOM 3

K. RENAE PULLEN

Elementary Science Curriculum Instructional Specialist, Caddo Parish Public Schools

STEM in Early Elementary

Supporting children in making sense of the natural and designed world is an important aspect of STEM education. For pre-kindergarten and elementary students, the integration of STEM is vital in helping develop their identities in the field and building a strong foundation in the discipline. Explore how science, technology, engineering, and math can help to foster excitement for learning in early childhood and elementary education.



ROOM 4

FRAN HARVEY

GISP and Director, Global Geospatial Institute

Co-Presenter: Yolanda Rabalais, Development and Representing Global Geospatial Institute

Enhancing Existing Curriculum by Bringing GIS Technology into K-12 Education, Louisiana Student Standards-Based

Global Geospatial Institute is the only industry-accredited program in the State of Louisiana that prepares high school students and lifelong learners with the tools they need to advance in workforce development and compete in a global job market. GGI offers many products and services beginning with students in 3rd grade, culminating with courses for high school students and an opportunity for them to earn an Industry-Based Certification (IBC).



ROOM 5

ALLISON F. SHARAI

Assistant Vice President, Community Affairs & School Partnerships, Ochsner Health

Co-Presenter: Stephanie Messina, MS Manager, OchsnerServes & Education Outreach, Ochsner Health

Best Practices in Education and Industry Partnerships

For over 15 years, Ochsner Education Outreach has been committed to developing a well-prepared and informed workforce pipeline for health sciences and positively impacting K-12 education outcomes. This session will highlight the ways in which school partnerships bring value to industry. Presenters will share tips for how to initiate a relationship with

industry and develop fruitful programs that lead to positive student outcomes. Learn how aligning the goals of school and industry can generate lasting relationships.



ROOM 6

COLLEEN KELLY

Director of District Partnerships, Legends of Learning

What Do 90% of Kids Have in Common? Learn How to Break Barriers and Engage Struggling Students Using Game-Based Learning

Why do we ask teachers to use hands-on, interactive techniques in the classroom? Because they tap into the natural human instinct to learn through experience. Gaming is a powerful medium that creates excitement, generates engagement, and builds confidence. This STEM-focused workshop will bring math and science standards to life. We'll explore game-based learning both digitally and through real-world representations!



ROOM 7

KIM FOSSEY

Interim Director, Capital Area STEM Region 2

Co-Presenter: Jennifer DePriest, Director, CenlaSTEM Region 6

Throw Me Something, SISTER! Enriching the Lives of Women and Girls Through the Gift of STEM.

Million Women Mentors-LA is committed to changing lives of women and girls through STEM mentoring. Participants will 1) Gain best practices and a strategic planning toolkit for growing highly effective engagement activities or mentoring programs by your organization; 2) Learn the many benefits mentoring delivers, for girls and mentees; 3) Gain ways to get involved in one of Louisiana's

many girl-serving STEM initiatives; and 4) Learn how to join the MWM-LA network.



ROOM 8

STEVE SHUMAKER

Education Sales Consultant, Technical Training Aids, Southeastern Louisiana University, Northshore Technical Community College

Co-Presenters: Mehmet Bahadir, Ph.D., Assistant Professor of Industrial Technology; Charles Crabtree, Director of STEM at Northshore Technical Community Colleges; Jared Reno, Instructor and Undergraduate Coordinator of Industrial Technology; Alexis Scamardo, Program Coordinator at Southeastern STILE/GEAR UP; Steve Shumaker, Education Sales Consultant at Technical Training Aids; Margaret Wheeler, Ed.D, MBA, Director at Southeastern STILE/GEAR UP

Innovative Grassroots STEM Pathways

This presentation highlights three examples of Innovative Grassroots STEM Pathways that lead to success in the workplace. This is evident in the partnerships between Northshore Technical Community College working with Bogalusa High, Southeastern Louisiana University Department of Industrial and Engineering Technology and Louisiana GEAR UP working with Tara High, and Southeastern IET and LGU working with Independence High. Presenters will walk the attendees through their grassroots development of the innovative STEM pathways that address the individual needs and goals of these high schools and their student populations. These developments showcase the importance of flexible, grassroots approaches to both building capacity in schools and creating these long-term partnerships with local higher education institutions.

PRESENTERS | 2:45 P.M. - 3:30 P.M.



ROOMS 1/2

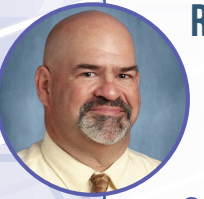
HUTCH HUTCHERSON

Senior Vice President of Strategic Partnerships, University of California, Davis

Co-Presenter: Jeff Hescox, Program Manager, University of California, Davis C-STEM Center

PK-12 Math Taught via Robotics-Coding Using Standards - 20%-30%+ Proficiency Increase Using 21st Century "Hands-On" Interaction

Students who grew up with Apps, Gaming & Devices don't want to learn Math the old way. They want fun & engagement. The U.S. job market is evolving to 55% of new jobs requiring STEM skills or no job. UC California, Davis teaches Math is Fun. It is like real life using real job skills. This presentation will have you personally engaged using Math taught via Robotics and Coding within minutes.



ROOM 3

JOHN DUPUIS

Environmental Science Teacher, St. Thomas More Catholic High School

Creating 360° Virtual Field Trips for the Science Classroom

Virtual Field Trips are being taken to the next level, and have become a simple technology tool enabling teachers to create immersive experiences for the classroom. Using a smartphone to capture 360° spherical photos, we will import them into the "TourIt" tool to create a Virtual Field Trip (VFT). The platform is being developed under the Infiniscope (infiniscope.org) program from Arizona State University and funded by a NASA grant. This creation tool will be released to the public in early 2022 and will be free for educators and students to use. Sample VFT's can be found at tinyurl.com/WETSHOP2021VFT and tinyurl.com/USM360GCRL2



ROOM 4

CATE HEROMAN

Education Chair, Knock Knock Children's Museum

Co-Presenters: Cate Heroman, Education Chair - Knock Knock Children's Museum; Paige Zittrouer, 2nd Grade Teacher - LSU Laboratory School; Julianne Sadler, Makerspace Coordinator - Grey's Creek Elementary, Livingston Parish; Susan Derstine, Assistant Principal - Grey's Creek Elementary, Livingston Parish; Angela Clare, STEM Lab Teacher - Westdale Heights Academic Magnet, EBR Schools; Katrice Hall, STEM Coordinator - Westdale Heights Academic Magnet, EBR Schools; Cheryl Smith, Librarian - Carver Branch Library, EBRP Library System

Knock Knock Children's Museum's Making Spaces Initiative: Making and Tinkering in PreK-3rd Grade as a Pathway to STEM/STEAM

In 2019, Knock Knock Children's Museum was selected to be a regional hub in the nation for maker-centered learning. As part of this national initiative, Knock Knock selected 9 sites (8 schools in 3 parishes and 1 branch of the EBR Library) to take part in this 2-year program through monthly professional learning opportunities. During this session, you will hear learn about the program and from a panel of educators about their experience and the impact of the program to build capacity and develop site leadership around making and tinkering as a pathway to STEM/STEAM.



ROOM 5

SARAH BELL

Director of Employer Partnerships

AND NATHAN STOCKMAN

Director of Learning Design, YouthForce NOLA



Employers as Integral Partners in Developing Work-Ready STEM Students

From expanded career exploration to soft skills development to intentional mentorship, employers are key partners in the effort to develop work-ready young people. This workshop will show YouthForce's intentional progression of employer engagement through high school, including career awareness and exposure, with a focus on their partnership with a summer internship program. This presentation will examine the layered role of employer partners to the success of a high school work-based learning experience, including how their involvement supports skills learned in the classroom. We will discuss the ideal employer profile, elaborate on the trainings and supports YouthForce provides to employer partners, and share findings that reinforce the impact that employers have on the holistic quality of an internship experience.



ROOM 6

LUCIA BERLINER

TEALS Regional Manager, Louisiana Microsoft Philanthropies TEALS Program

Computer Science Ed for Louisiana! Teaching CS with Tech Industry Professionals (Microsoft TEALS Program)

Technology is one of the fastest-growing and most lucrative career fields in Louisiana. Are you thinking of starting or growing the computer science (CS) department at your high school? Join the Microsoft Philanthropies Technology Education and Literacy in Schools (TEALS) Program and special guests to learn how TEALS pairs teachers with tech industry professionals and proven curricula to implement CS classes. Teachers do not need any previous experience with programming to teach CS with TEALS! Learn more or apply for the 2022-23 school year partnership by February 11th at www.microsoft.com/TEALS.



ROOM 7

DR. JESSE ALLISON

Associate Director, LSU STEM Pathway in Digital Design and Emergent Media, Louisiana State University

Co-Presentors: Scott Nelson, Coordinator for the DDEM STEM Pathway, LSU ; Erin Demastes, Communications Manager for the DDEM STEM Pathway, LSU; Matthew Bardin, Teaching Extern in DDEM, LSU;

William Thompson, Teaching Extern in DDEM, LSU; Treya Nash, Teaching Extern in DDEM, LSU

STEM Empowered Students and Agency in the Digital World

STEM does not exist in a bubble, but through application in specific domains. Those who work in the digital media and design realms use STEM skills as primary tools in their discipline. In this workshop, we look inside the LSU STEM Pathway in Digital Design & Emergent Media to explore how S, T, E & M are integral to the domain, identifying A+STEM intersections through demos, lessons, and cross-over teaching examples that can empower students for either STEM or the emerging digital media workforce.



ROOM 8

JENNIFER C. WILLIAMS

Lower School Science Department Chair, Isidore Newman School

Homes for the Hurricane Homeless: STEM Unit Incorporating Natural Disasters with Design Thinking Principles

Hurricanes, flash floods, and wildfires. Climate change is bringing more extreme weather and the results can be catastrophic to our communities. As the weather becomes more severe, there is an increased need for shelters that can be easily transported and assembled to provide shelter for families who have been displaced from their homes. Participants will engage in an authentic STEM inquiry that was implemented in fourth-grade classrooms at Newman School. The inquiry was designed so that students would be able to explore homelessness caused by natural disasters and design a tiny home for a family in need. Participants will learn about planning and implementing an integrated STEM inquiry. A major focus will be on planning for students to learn through authentic opportunities and real-world mathematics and science. We will share experiences using the Design Thinking Framework as a guide for implementing and designing integrated STEM inquiries. We will give specific strategies for developing problem statements as a means to engage students in empathetic responses within STEM inquiries. We will also share specific strategies for developing empathy during STEM inquiries for elementary-aged students. Participants will have the opportunity to experience key parts of the inquiry and view students' work.

ESPORTS SCHEDULE ROOM 11

9:15 A.M. - 10:00 A.M.

DR. JOHN BURRIS

Co-Chair, Louisiana Scholastic Esports Federation (LASEF)

Welcome to Scholastic Esports

Experience how Louisiana is helping students build high-demand STEM skills through competitive and social computer gaming!

10:15 A.M. - 11:00 A.M.

ADRIENNE MOLIERE

Co-Founder, BY-U Esports

Scholastic Esports: Engaging Students Through Games and Learning

NASEF (North America Scholastic Esports Federation) brings together a community of professionals in the education and gaming fields to provide opportunities for students to use Esports as a platform to develop STEAM-based skills. The federation works to cultivate social and emotional attributes such as communication, collaboration, and problem-solving abilities needed to thrive in work and in life.

11:15 A.M. - 12:00 P.M.

ERIC & COREY TARVER

Owners, Scion Esports

Shoutcasting!

Shoutcasters are the voices of Esports, commentating on tournament games at real-world events and online. Listen and learn about Esports first-hand in our interactive exhibit with ongoing competitions.

1:45 P.M. - 2:30 P.M.

JEFFERY HARRISON

Director of Network & Operations, East Baton Rouge Parish School System

Implementing Scholastic Esports at Your School

IT team members, Esports coaches, and students will be sharing the Scholastic Esports journey in EBR schools. We will be providing pointers, tips, and tricks for current and prospective K12 scholastic Esports programs as we aim to expand the scholastic Esports community.

2:45 P.M. - 3:30 P.M.

JERRY BAUS

Teacher, Calcasieu Parish School Board

Jumpstarting Your Esports

We will discuss of how the Computer Service Technology course supported local Esports programs with student-built gaming computers. Information about JumpStart pathways and how they relate to Esports support in Calcasieu Parish. Development of district-wide policies regarding Esports athletic programs.

ROBOTICS ROOMS 12/13

Hear first-hand accounts from students who participate in robotics competitions hosted by FIRST Robotics and the REC Foundation. Carolyn Arthurs, the Regional Director for Louisiana and Mississippi, with FIRST Robotics Competition, and Diana Fultz, the Team Engagement Manager with the REC Foundation, will be on hand to answer questions.

MOBILE STEM VILLAGE SCHEDULE BALLROOM

9:15 A.M. - 10:00 A.M.

CHUCK CRABTREE

Northshore Technical Community College

Mechatronics Mobile Lab

The Mobile Mechatronics Lab is an air-conditioned, self-leveling, 40-foot trailer equipped with career exploration and workforce training equipment in advanced manufacturing (MPS smart factory), Industrial Robotics, Programmable Logic Controllers (PLCs), Additive Manufacturing (3D printing), Drafting and Design, Precision Measuring Equipment and ZSpace VR.

10:15 A.M. - 11:00 A.M.

JOLIE GREGOIR

Livingston Parish Schools

STEAM Express

The STEAM Express is a school bus that has been retrofitted as a mobile STEAM lab. The bus is equipped with dry-erase topped-work-space, computers, iPads, and a host of STEAM activities. The bus runs like an RV, so there is power, air conditioners, and LED lights. The bus can also run on generator power when a plug is not convenient.

11:15 A.M. - 12:00 P.M.

JESSICA DEVILLE

Northshore STEM Center & Coalition

Brain Food Truck

The Brain Food Truck is a mobile resource supporting in-school and out-of-school programs by providing them with easy-to-use activities that are student-centered, standards-aligned and fun. The mission of the Brain Food Truck is to increase access to quality STEM education for all students in the

Northshore region. The Brain Food Truck is a signature project of the Northshore STEM Coalition to realize a Northshore Region that is well equipped to meet current and future workforce demands as a leader in science and innovation.

1:45 P.M. - 2:30 P.M.

CHRIS MONTGOMERY

Mechatronics Mobile Lab - Northshore Technical Community College

Mobile STEM Lab (Gator Mobile)

The Gator Mobile STEM Lab is an air-conditioned, 28-foot trailer equipped for hands-on career exploration. Several configurations for equipment are available to customize programs for general audiences or specific topics:

- Mobile Maritime Simulator
- Additive Manufacturing (3D printing) Drafting and Design
- Nursing/Allied Health with heart/lung simulator
- ZSpace VR for Human Anatomy and EKG
- Virtual Welding Simulator
- HVAC demonstration equipment
- Electronics Kits
- Sphero Robots
- Vernier LabQuest sensors and force plates
- Hands-on math explorations



VENDOR EXHIBITION

1. 3D Media
2. 3D-XSTREAM
3. Allen Parish School Board
4. Bayou STEM
5. Cain Center for STEM Literacy
6. Calcasieu Parish School Board (in partnership with McNeese University) STEM Center
7. Capital Area STEM
8. Central Creativity
9. Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA)
10. Coursera
11. CYBER.ORG
12. Delgado Community College
13. Enterprise Aquatics
14. EVERFI
15. Girl Scouts Louisiana East
16. GNO, Inc. STEM Center
17. Greater New Orleans STEM Initiative
18. Knock Knock Children's Museum
19. Lake Pontchartrain Basin Maritime Museum, Inc.
20. Learning Blade
21. Legends of Learning
22. Livingston Parish Public Schools
23. Louisiana 4-H Foundation
24. Louisiana Children's Discovery Center
25. Louisiana Department of Education
26. Loyola University New Orleans, University of New Orleans, Nicholls State University, Northwestern State University, Louisiana Esports Gaming Group and Crescent Esports
27. McNeese State University
28. Microsoft Technology Education and Literacy in Schools (TEALS) Program
29. NASA
30. NELA Children's Museum
31. Nexus Louisiana
32. Northshore Regional STEM Center
33. Northwestern State University STEM Center
34. Northshore Technical Community College
35. NWLA LaSTEM Innovation Center
36. Ochsner Blood Bank
37. Ochsner Health
38. Scion Esports
39. St. Landry Parish/Beau Chene High School
40. STEM Collective for Innovative Louisiana Stakeholders (SCILS)
41. STEM Library Lab
42. STEM NOLA
43. TAAHM & VA STEM
44. Technical Training Aids
45. The Climate Initiative
46. The National WWII Museum
47. Tynker
48. UL Lafayette STEM Center





**THANKS AND
SEE YOU NEXT YEAR!**