STEM NOLA™

POWERED BY entergy

INSPIRE CURIOSITY | EQUIP SKILLS | CONNECT PEOPLE | EMPOWER FUTURES

INNOVATION CENTER

BUILDING THE FUTURE OF INNOVATION

Join us in creating the premier hub for STEM education, workforce development, innovation, and entrepreneurship in the New Orleans metropolitan area.



PREPARING TODAY'S LEARNERS TO BECOME TOMORROW'S LEADERS

THE STEM NOLA STORY

Since 2014, STEM NOLA has transformed the lives of more than 250,000 learners through hands-on experiences in science, technology, engineering, and math.

Founded by Dr. Calvin Mackie, STEM NOLA was created to expose learners of all ages to STEM through engaging, real world experiences. Today, STEM NOLA serves as a nationally recognized leader in STEM education and workforce development.













13+ YEARS OF IMPACT

250,000+
K-12 STUDENTS ENGAGED SINCE OUR BEGINNING

$40M
INVESTED IN STEM PROGRAMMING SINCE OPENING

12,000+
COLLEGE & PROFESSIONAL VOLUNTEERS



DR. CALVIN MACKIE

Founder & CEO of STEM NOLA

Dr. Calvin Mackie is an award-winning entrepreneur, inventor, engineer, author, and nationally recognized STEM advocate.

For more than a decade, his vision has inspired thousands of students and families to see STEM not simply as a subject, but as a pathway to economic opportunity and lifelong success.







A MOVEMENT FOR OPPORTUNITY

STEM NOLA has created a culture of innovation through transformative experiences that inspire curiosity, build skills, and expand opportunity.

Through large-scale events, summer camps, fellowship programs, workforce initiatives, and educator support programs, participants are equipped with the knowledge and connections needed to thrive in a rapidly changing world.

As New Orleans' premier hub for STEM learning and innovation, STEM NOLA is preparing the workforce, entrepreneurs, and leaders who will shape the future of our city and beyond.

> "We are not simply preparing students for jobs. We are preparing innovators to solve the world's greatest challenges."
>
> **—Dr. Calvin Mackie**
> Founder & CEO, STEM NOLA

OUR PROGRAM PILLARS

INSPIRE
Spark curiosity and a love for STEM through hands-on experiences.

EDUCATE
Deliver innovative learning that builds knowledge, skills, and confidence.

EMPOWER
Provide mentorship, leadership development, and career readiness opportunities.

CONNECT
Link learners to industry, higher education, and community partners.

CREATE
Encourage creativity and innovation to solve real-world challenges.

TRANSFORM
Strengthen our community for generations to come.

BUILDING THE FUTURE:

The STEM NOLA Innovation Center



The **STEM NOLA Innovation Center** is a $20 million project that will expand access to high-quality STEM education and prepare the next generation of innovators, problem-solvers, and leaders.

Thanks to the generous donation of the project site by Ochsner Health, this transformative vision is becoming a reality. The Innovation Center will provide free, hands-on STEM learning opportunities for more than **15,000 learners annually** while offering career-ready training, industry credentials, and workforce development programs that support the region's growing economy.

To complete this project, STEM NOLA has launched a capital campaign to raise the remaining funds needed to build, equip, and open the Innovation Center debt-free. Your investment will help create opportunities for thousands of people and strengthen the future workforce of our region.

INSPIRE

Hands-on STEM experiences that spark curiosity and inspire the next generation of innovators.



EQUIP

Education, training, and credentials that build critical skills for the workforce of the future.



CONNECT

Mentorship, industry partnerships, and real-world connections that open doors to opportunity.



EMPOWER

Future leaders, entrepreneurs, and problem solvers empowered to build a stronger New Orleans.

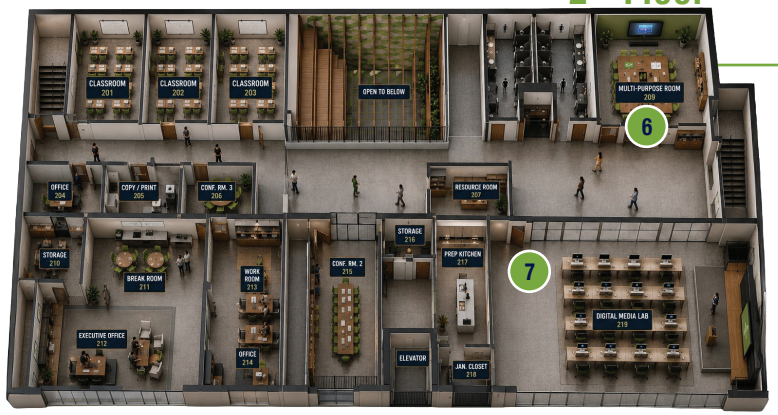


> “The **STEM NOLA Innovation Center** will provide the **space for the future workforce** to lead the way in powering AI, advanced technology, and innovative medical advancements.”
>
> —Michael Hecht
> President & CEO
> Greater New Orleans, Inc.

1st Floor



2nd Floor



BUILT FOR DISCOVERY

DESIGNED FOR IMPACT

The STEM NOLA Innovation Center will feature state-of-the-art learning environments that empower learners to explore, create, and solve real-world challenges.

Each space is intentionally designed to inspire curiosity, foster collaboration, and prepare learners for the opportunities of tomorrow.



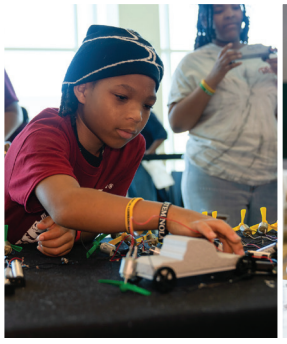
1 ROBOTICS LAB

Design, build, and program robotic systems while developing critical thinking, engineering, and problem-solving skills.



2 WET LAB

Explore biotechnology, environmental science, and health sciences in a fully equipped lab that brings real-world learning to life.



3 MAKER SPACE

Prototype, invent, and build using advanced tools and technology to turn ideas into real-world solutions.



4 WOOD SHOP

Design, fabricate, and build using professional woodworking tools while developing craftsmanship, engineering thinking, and real-world construction skills.



5 CRAFT LAB

Create, design, and innovate through hands-on projects that foster creativity, artistic expression, problem-solving, and maker skills in an engaging learning environment.



6 MULTI-PURPOSE ROOM

A versatile space designed for workshops, presentations, community events, training sessions, and collaborative learning experiences that bring people together to inspire innovation and engagement.



7 DIGITAL MEDIA LAB

Create, edit, and innovate with digital media, animation, esports, content production, and emerging technologies.

THE FUTURE IS BEING BUILT RIGHT NOW

THE JOBS OF TOMORROW

The jobs shaping America's future—from artificial intelligence and advanced manufacturing to healthcare and clean energy—require strong skills in science, technology, engineering, and mathematics.

THE OPPORTUNITY GAP

Too many young people in our region lack access to the hands-on learning experiences, mentors, and opportunities needed to pursue these high-demand careers.

THE COST OF INACTION

Without intentional investment, the pathway from education to workforce participation remains out of reach for many students, particularly those from underserved communities.

THE POWER OF INVESTMENT

The STEM NOLA Innovation Center will help close that gap by creating pathways to opportunity, strengthening our workforce, and building a more innovative and prosperous New Orleans.

STEM CAREERS ARE GROWING FASTER

10%+

PROJECTED STEM JOB GROWTH

between 2023 and 2033—more than twice the rate of non-STEM occupations.

2X

HIGHER EARNINGS

STEM workers earn more than double the wages of non-STEM workers.

MILLIONS

OF FUTURE JOBS

Millions of new STEM jobs will be created nationwide in the next decade.

> "Investing in **STEM education** today ensures a stronger workforce, a thriving economy and a brighter future for generations to come."
>
> —Source: U.S. Bureau of Labor Statistics





EXPANDED PROGRAMS. EXPONENTIAL IMPACT.

The STEM NOLA Innovation Center will provide free, hands-on STEM learning opportunities to everyone, regardless of age, where they live, or their socioeconomic background.

From early exposure to advanced training, the new center will allow STEM NOLA to expand programs to create clear pathways from curiosity to career.











EXPOSURE & INNOVATION

Spark curiosity. Explore possibilities. Imagine the future.

STEM FEST EVENTS
Large-scale events that ignite interest and engage thousands.

STEM SATURDAYS & NIGHTS
Hands-on activities that make STEM fun, accessible, and family-friendly.

SUMMER CAMPS
Immersive experiences that build skills, confidence, and lifelong passions.

MOBILE MAKERSPACES
Bringing innovation directly to schools and communities across the region.

SCHOOL FIELD TRIPS
Inspiring the next generation through unforgettable, hands-on learning.

EDUCATION & TRAINING

Build knowledge. Develop skills. Achieve more.

ADVANCED STEM COURSEWORK
Rigorous, real-world instruction in science, technology, engineering, and math.

STEM FELLOWS PROGRAM
Mentorship, research, and leadership development for the next generation.

TEACHER DEVELOPMENT
Empowering educators with training, resources, and STEM best practices.

ROBOTICS COMPETITIONS
Building problem-solvers and innovators through teamwork and competition.

CODING PROGRAMS
From beginner to advanced—developing the coders, creators, and innovators of tomorrow.

CONNECTION & ADVANCEMENT

Open doors. Build careers. Change lives.

WORKFORCE TRAINING
Industry-aligned training that prepares learners for high-demand careers.

CERTIFICATION PROGRAMS
Credentials that validate skills and accelerate career opportunities.

CAREER FAIRS
Connecting learners with employers and internship opportunities.

HACKATHONS
Fostering creativity, innovation, and real-world problem solving.

COLLEGE READINESS
Equipping students with the tools and guidance to succeed in higher education.

STEM NOLA™

POWERED BY entergy

INNOVATION CENTER

The STEM NOLA Innovation Center is where **potential** meets **opportunity**. Together, we are building a stronger, more innovative, and more equitable New Orleans.



For more information regarding giving and naming opportunities, please contact:

Dr. Calvin Mackie
Co-Founder and CEO, STEM NOLA
(504)723-4914
cmackie@stemnola.com

EXECUTIVE TEAM



Dr. Calvin Mackie
Co-Founder & CEO



Tracy Mackie
Co-Founder / Client Support Manager



Lawrence Jackson
Chief Administrative Officer



Leslie Taylor, CPA
Chief Financial Officer

BOARD OF DIRECTORS

Troy Clark
Golden Leaf Energy
Gretna, LA

Reuben A. Bell
Johnson & Johnson, Inc.
Skillman, NJ

Jimmie L. Davis, Jr, PhD
The MITRE Corporation
Tallahassee, FL

Kenneth Grimes
Bessemer Trust
San Jose, CA

Lona E. Hankins
New Orleans, LA

Eric Griggs, M.D
Access Health Louisiana
New Orleans, LA

Cheryl G. Evans, J.D.
Private Practice
New Orleans, LA

STEM NOLA
4910 Drexel Dr.
New Orleans, Louisiana

(504) 391-0730

info@stemnola.com

STEMNOLA.COM

FOLLOW US

INVEST TODAY. CHANGE TOMORROW.