

## SCHEDULED EVENTS

The Big Bang may have happened billions of years ago, but that won't stop us from making our own version here at the Atlanta Science Festival! Don't miss the explosive moment when we mix hundreds of ping pong balls, some liquid nitrogen, and boiling water. Thank you to Dr. Doug Mulford and his ChEmory team for this annual tradition!



The Pink Ping Pong Big Bang is sponsored by Emory University, a proud founder of the Atlanta Science Festival. Gather at 12pm in front of Delta Air Lines' tent to see the action.

Onstage known as Patcasso, Patrick Hunter, a performance painter and global STEAM ambassador connects art and science to drive innovation. He takes paint strokes choreographed to music for live performances that captivate audiences by turning the blank canvas into icons.

The Patcasso Performance is brought to us by the NCR Foundation, sponsor of the Atlanta Science Festival. Join us at 1pm in front of NCR's tent to catch this captivating performance.

## WHAT'S NEXT

Don't panic! We know you've loved the Atlanta Science Festival, and the science fun doesn't stop here! Celebrate Earth Day, the Science ATL way on April 19th at 7:00pm. Science ATL, Piedmont Park Conservancy, and PBS NOVA host a special showing of *Weathering the Future*, a PBS NOVA documentary! This isn't any outdoor movie, it's a Bike-in movie! Take your two-wheel transportation to Piedmont Park's Dockside, have a drink and a laugh, and explore strategies people across the country are using to adapt to the challenges we face in climate change.



Learn about this event and more at [scienceatl.org/events](https://scienceatl.org/events)

## SUPPORT SCIENCE



## SCIENCE ATL

Science ATL brings people together through the wonder of science. Our mission is to cultivate an equitable community of lifelong learners across metro Atlanta who are connected and inspired by the wonder of science. Please consider supporting us with a one-time or monthly donation so that we may continue to produce events like the Atlanta Science Festival and programs like STEM Professional School Partnerships.

Read about these programs and more at [ScienceATL.org](https://ScienceATL.org) and donate using the QR code.

# ATLANTA SCIENCE FESTIVAL

## THANK YOU TO OUR SPONSORS



PRESENTING SPONSOR OF ATLANTA SCIENCE FESTIVAL



EMORY UNIVERSITY



## MEDIA SPONSORS



The Atlanta Science Festival was founded by Emory University, the Georgia Institute of Technology, and the Metro Atlanta Chamber.

## CONNECT ON SOCIAL



AtlantaScienceFestival.org • #ATLSciFest  
Share your experience with us! Tag us at @ATLSciFest

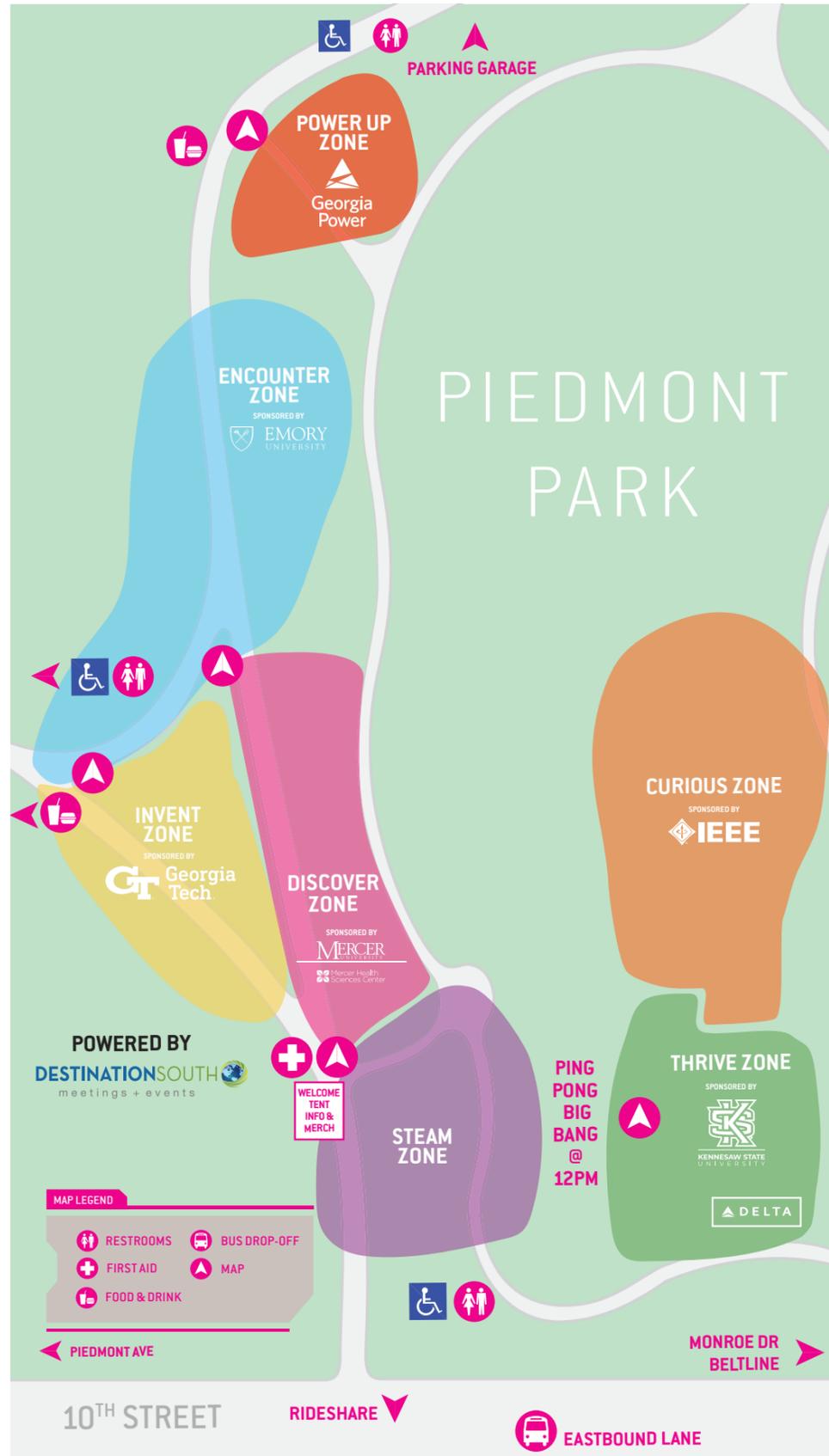
# 2024 ATLANTA SCIENCE FESTIVAL



# EXPLORATION EXPO

ENGINEERED BY

SCIENCE ATL



## DISCOVER ZONE

- D401 • Rivian**  
How does a car operate without gas?
- D403 • The Clorox Company**  
Does science hide in plain sight?
- D405 • Delta Community Credit Union**  
Chemistry of Currency: Why is Money Magnetic?
- D407 • MPI for Neurobiology of Behavior/German Consulate General in Atlanta**  
What Makes Your Brain Unique?
- D409 • The DCR Group LLC & Geddes Neural Network (GNN)**  
AI got you in my Brain, lately
- D411 • Fernbank Museum**  
Ready to embark on a STEAM exploration on wheels?
- D413 • DOW**  
What is PU Chemistry?
- D415 • Computer Museum of America**  
Computing through Time
- D417 • Marcus Autism Center**  
Why do we all learn differently?
- D419 • U.S. Geological Survey - South Atlantic Water Science Center**  
Where does your water flow?
- D421 • GA Forestry Foundation & Chattahoochee Nature Center**  
Why Are Working Forests Crucial to Georgia?
- D423 • Live Thrive**  
How can we transform hard-to-recycle plastics?
- D425 • Agnes Scott College - Medical Sciences**  
How do bacteria become resistant to medicine?
- D427 • Science for Georgia**  
How Can You Speak Up for Science?
- D429 • Gateway Community Math Center**  
Is this even math?
- D431 • URJ 6 Points Sci-Tech Academy**  
A Day in the Life at Sci-Tech
- D433 • Johns Creek Environmental Campus**  
The Journey of Our Water
- D435 • International Society of Arboriculture**  
Why hire an arborist?
- D437 • UPS - Engineering and Advanced Technology**  
How does UPS technology move our world forward?
- D439 • Mercer University & Mercer University Health Sciences Center**  
How Does Science Impact Your Life?

## ENCOUNTER ZONE

- E601 • Neuroscience at Georgia State University, Emory University, and Georgia Institute of Technology**  
Ready to blow your mind? Explore your brain!
- E603 • Science Akadémeia, The Atlanta Preschool of Science**  
STEM Pioneers!
- E605 • Emory University - Center for AI Learning**  
How can AI see the world around me?
- E607 • Emory University - CHARTER**  
Virtually Healthy: Environmental Health in VR
- E609 • Emory University - Herbarium**  
Smell the World
- E611 • Emory University - Child Study Center**  
Can You Guess What Your Brain is Thinking?
- E613 • Emory University - Chemistry**  
What Are Proteins? How Can We See Them?
- E615 • Emory University - Physics**  
How Does Physics Touch Your Life?
- E617 • Emory University - All of Us Research Program**  
What is DNA?

- E619 • Emory University - Salaita Lab**  
Are you stronger than DNA?
- E621 • Emory University - ChEmory**  
What Makes A Fluid Funky?
- E623 • Emory University - Biochemistry**  
What do proteins look like?
- E625 • Emory University - Association for Women in Science**  
Women in STEM: What \*can't\* they do?!
- E627 • Emory University - Immunology Graduate Group, NPRC, EVC**  
How Do Vaccines Protect Us?
- E629 • Emory University - Ophthalmology, Atlanta Vision Research Community**  
How do our eyes work?
- E631 • Emory University - LUMeN & BabL Labs**  
I can't remember!
- E633 • Emory University - HERCULES and CHART**  
How do chemicals and extreme heat impact my health?
- E635 • Princeton Plasma Physics Laboratory**  
What is Plasma?
- E637 • Burns & McDonnell**  
Are you ready to launch into STEM?
- E639 • Centennial Academy Charter School, Presented by Georgia Natural Gas**  
How Can We Electrify Art?
- E641 • American Society for Clinical Laboratory Science - Georgia**  
Science Through the Microscope Lens
- E643 • American Chemical Society - Georgia Local Section**  
Why is an orange actually orange?
- E645 • PCOM Georgia - Osteopathic Medicine, DO**  
D.O. you know what blood is made of?
- E647 • PCOM Georgia - Physician Assistant Studies**  
How do our lungs work?
- E649 • PCOM Georgia - Pharmacy and Community Wellness Initiative**  
Test your Sugar Knowledge! & What do Blood Pressure Numbers Mean?
- E651 • PCOM Georgia - Biomedical Sciences**  
Bone Diggity!
- E653 • PCOM Georgia - Physical Therapy and Medical Laboratory Science**  
Want to be Stronger, Faster & Fitter? & What's under the Microscope?
- E655 • PCOM Georgia - Simulation Center**  
Simulance: the Mobile Medical Unit

## INVENT ZONE

- I501 • Georgia Tech - Laboratory for Synthetic Immunity**  
Microscopic Heroes
- I503 • Georgia Tech - Student Polymer Network**  
Where's the water?
- I505 • Georgia Tech - Engineers Without Borders Ecuador Project**  
Slime-Quake!
- I507 • Georgia Tech - BME HealthReach**  
Science for EveryBODY - Blood, Bones, and Brains
- I509 • Georgia Tech - Biological Sciences, Social Insects**  
Are insect societies better than human societies?
- I511 • Georgia Tech - Earth and Atmospheric Sciences**  
The Earth - How does it affect us, and how can we help it?
- I513 • Georgia Tech - Earth and Atmospheric Sciences**  
Trash to cash: Can we turn wastes into resources?
- I515 • Georgia Tech & Emory University - Neural Engineering Center**  
How does the brain control movement?

- I517 • Georgia Tech - Bhamla Lab and Frugal Science Academy**  
How does curiosity lead to innovation?
- I519 • Georgia Tech Research Institute**  
How Does My Computer Work?
- I521 • AtkinsRéalis**  
Atlanta Ecology
- I523 • Kaiser Permanente**  
How does your body THRIVE?
- I525 • ECF Engineering Consultants**  
How does renewable energy work?
- I527 • Murata Electronics Americas**  
Can Electricity Help Protect Our Planet?
- I529 • Georgia Psychological Association**  
What's On Your Mind?
- I531 • Grady Health System & STEM Compass**  
Experience the Magic of Healthcare

## THRIVE ZONE

- T701 • Delta Air Lines**
- T703 • Georgia Gwinnett College - Chemistry**  
Chemistry Carnival
- T705 • Georgia Gwinnett College - Technology Ambassadors Program**  
TAP into your STEM-Motivation!
- T707 • Georgia Gwinnett College - Health and Wellness**  
Science Behind the Skills: Athletic Combine
- T709 • Kennesaw State University - Science and Mathematics**  
What's it take to keep a human going?
- T711 • Kennesaw State University - Science and Mathematics**  
What's in my food?
- T713 • Kennesaw State University - Humanities and Social Sciences**  
What happens to our bones?
- T715 • Kennesaw State University - Humanities and Social Sciences**  
How does the brain work?
- T717 • Kennesaw State University - Computing and Software Engineering**  
What's in an algorithm?
- T719 • Kennesaw State University - Computing and Software Engineering**  
The robot can do WHAT?
- T721 • Kennesaw State University - Education**  
How do we help the Earth?
- T723 • Kennesaw State University - Education**  
What's happening in nature?
- T725 • Kennesaw State University - Engineering and Engineering Technology**  
How do we get there?
- T727 • Kennesaw State University - Architecture and Construction Management**  
What's in a building?
- T729 • Kennesaw State University - Health and Human Services**  
How do you take care of your limbs?
- T731 • Kennesaw State University - Health and Human Services**  
What's at the heart of it?
- T733 • MathHappens Foundation, Kennesaw State University - Education, Geometiles**  
Math Magic!
- T735 • The Next IT Girl**  
Engineer Says...

## CURIOUS ZONE

- C201 • The Amphibian Foundation, Inc.**  
Why Are Amphibians Slimy?
- C203 • Zoo Atlanta**  
HOW Did the Golden Lion Tamarin cross the Road?
- C205 • Georgia Aquarium**  
Can you handle the pressure?
- C207 • 3D Girls, Inc.**  
Tower of Triumph: Building Self-Confidence
- C209 • Georgia State University - Geosciences**  
Going Places with Geosciences
- C211 • Georgia State University - Physics and Astronomy**  
How Does Radiation Impact My Life?
- C213 • The SAE School**  
RoboSTEM: Tomorrow's Innovators in Action
- C215 • Georgia Reptile Society**  
What Did I Just Touch?
- C217 • Google Data Centers**  
What is a Data Center?
- C219 • IEEE-USA**  
Wheel of Engineering
- C221 • IEEE-Atlanta**  
The Engineer's Workshop
- C223 • Brown Toy Box Presented by Cox Enterprises**  
But Can You Code?
- C225 • Lockheed Martin**  
Can you name the next C-130 Aircraft Mission?

## POWER UP ZONE

- P301 • Georgia Power**  
Are You Excited About the Future of Energy?
- P303 • Atlanta Gas Light**  
Natural Gas Distribution

## STEAM ZONE

- S801 • STE(A)M Truck**  
Playful Sparks: Igniting STEAM Curiosity!
- S803 • NCR Foundation**  
The Patcasso STEAM Experience
- S805 • Guerilla Haiku Movement**  
Will you Hone The Art of Science Haiku?
- S807 • Emory University - Science.Art.Wonder**  
Can Art Inform Science?
- S809 • Fulton County Public Library**  
Check out STEAM with your local library!
- S811 • Inspiredu**  
Eco Parts 2 Art
- S813 • Buttercup STEAM**  
Can You Light Up a Flower with Science?
- S815 • Georgia Connections Academy - STEAM Academy**  
How is STEM invading my home?
- S817 • HYPE**  
What's the COOLest part of STEAM?

## FOOD TRUCKS

- Savory**  
Tres Jardines • Soul Truckin Good • Spicy Desi Indian Food South of Philly • Sometimeatarian • Da Patty Wagon  
6 Pack Subs • Sunshine Alchemy • Jalapeño Corn Dog Concessions
- Sweet**  
Queen Churro • King of Pops • Fresh Squeezed Lemonade  
Sweet Zensations • Kona Ice
- Coffee**  
Travelin' Toms