

INFO, MERCH, FIRST AID

Welcome Tent East #101

Get info, bags, buttons, stickers, maps, and t-shirts.

Welcome Tent West #102

Get info, bags, buttons, stickers, maps.

Print Your Own Shirt. Invent #6

Worldwide Shirts.

Try your hand at printing an #AtlSciFest shirt!

Volunteer Tent. Thrive #104

For Registered Volunteers Only. Find it behind Welcome Tent East, in northeast corner of the Park.

Exhibitor Services. Encounter #106

For Exhibitors Only. Find it behind the Chemistry Café in the southeast corner of the Park.

First Aid.

In the Invent Zone #108, in front of Googie Burger / Visitor Center

DISCOVER ZONE

sponsored by Mercer University & Mercer Health Sciences

18. LEGO-Inspired Engineering

Play-Well TEKnologies

Create LEGO projects that explore STEAM concepts and engage through hands-on-learning. And participate in our 40-foot LEGO build of the City of Atlanta! Find us in the Fountain of Rings courtyard.

27. To Infinity and Beyond
HowStuffWorks.com
Build your own rocket and manipulate it and its launchers to see how high you can go! Find us in the Fountain of Rings courtyard.

31. Designing for a Better World
Georgia Tech - Human Factors/Ergonomics
Learn how psychologists make everyday things easier to use through design.

32. Masters of the Environment: How Engineers Control Air
ASHRAE
Become the master of your building universe and learn how HVAC&R engineers control air.

33. Can You Guess What Your Brain is Thinking?
Emory University - Child Study Center
Explore brain models, play a brain-function matching game, and view how different areas of the brain “light up” when we do certain tasks.

34. It's All A Balancing Act
Centennial Academy
Explore center of gravity and equilibrium through games and by creating balancing toys.

35. Methods to "Cut and Paste" DNA
Life University - Department of Natural Sciences
Cut DNA, visualize the fragments, and "paste" them together to produce therapies to treat diseases.

36. A Sweet Surprise
American Chemical Society and The Wood Acres School
Meet *Richardella dulfica*, a tiny fruit that tricks the tongue and experience its taste shifting powers.

37. Boiling Ice
Kennesaw State University - Dept of Chemistry & Biochemistry
Have you ever seen ice that can boil water? How about ice that turns water different colors? And why would a bubble sink instead of rise?

38. An Interactive Look at Radiation
Kennesaw State University - Department of Physics
Witness the phenomena of radiation and learn how it affects our lives.

39. The Science of Polymers
Georgia Tech - Student Polymer Network
From diapers to displays, we'll explain how polymers are shaping the 21st century.

40. Spirograph Patterns
Emory University - Department of Mathematics
Build your math intuition and create beautiful designs with a spirograph.

41. Smilebooth
Georgia State University - Collegiate Neuroscience Society
Smile! You're a scientist! Blow off a little STEAM and make pure fun in scientist, engineer, artist, mathematician, and/or inventor costumes.

42. Chemistry and Biochemistry Connections
Georgia State University - AMSA
Learn how to visualize molecules in three different ways.

43. Adding It All Up!
Georgia State University - Math and Stat Club
Mimic your computer's strategy for doing math using dominos from AND, to XOR, to a binary full adder.

44. Exploring the World of Electricity
North American Electric Reliability Corporation
Come explore the world of electricity learn how is electric power is generated and transported.

45. Something Different in the Mirror
Georgia State University - Pre-Pharmacy Professional Society
How can two molecules have different properties if they have the same atoms? Find out at our station on molecular chirality.

46. Fun with Chemistry at Home!

Georgia State University - Chemistry Club

Learn how to relate chemistry with your daily life by participating in demonstrations using house-hold items.

47. Thinking Big with Small Scales

Emory University - Department of Chemistry

To think big, you have to start small - see how small with Nanotechnology.

48. Fun with Ferrofluids

Emory University - Pi Alpha Chemical Society

Discover ferrofluids and find out why they behave so strangely. See how ferrofluids transition from liquids into spikes near magnets.

49. Ham Radio is Science

American Radio Relay League - Georgia Section

Explore Amateur (Ham) Radio and discover electronics in action. Experience digital communications interfaces both old and new.

50. The Element of Surprise!

Kennesaw State University

Chemistry demonstrations and hands-on activities for the curious.

51. Kids Drone Zone

Global Parent Resource Network

Come Hang 10 in our Fly Cage

52. Papermaking

Georgia Tech - Robert C. Williams Museum of Papermaking

Discover how paper is made- from pulp to finished product. Take home your very own sheet of paper!

53. What's in Your Noggin?

Emory University - Brain Imaging Group

Learn about how doctors use the properties of magnets to create images of the brains of patients. See what's going on inside a human brain.

54. What Kind of Bear Dissolves Well in Water?

Georgia Tech - Department of Chemistry & Biochemistry

Learn about polarity and its broad applications across a number of subspecialties in the field of chemistry.

55. A Taste (and Smell) of Science

Emory University - Association of Women in Science

Find out how the senses of smell and taste interact!

56. It's a Microscopic World!

Dalton State College

Come explore the world of Microscopes and learn they are used to solve mystery crimes and science problems.

57. Acids, Bases and Slime

Spelman College - Department of Chemistry

Learn which household chemicals can create reactions and make slime!

58. Can You Believe Your Eyes?

Spelman College - Department of Biology

Come to explore the strange and wonderful world of color perception. Find out how we see colors and why we can't always trust our eyes.

59. The Science & Technology of Public Health

Centers for Disease Control and Prevention (CDC)

Learn about the science and technology of public health.

60. Cloud in a Bottle

Georgia Connections Academy

Watch a cloud appear and disappear before your own eyes!

61. Build a Homopolar Motor

Cox Automotive

Build the world's simplest electric motor out of magnets and batteries. Watch as energy comes to life!

62. The Mercer Science Workshop

Mercer University & Mercer Health Sciences Center

ZONE SPONSOR

Build a microscope, control robots, test your fitness, and make your own DNA necklace!

63. Exploring STEM

IBM Corporation

Find out how IBM's Watson can help you become the next junior chef. Participate in hands-on STEM activities using IBM Activity Kits.

66. Google

To the moon and back! Learn about the data centers that keep Google up and running, check out our gravity-powered car, or embark on a virtual reality expedition to space!

ENCOUNTER ZONE

sponsored by Emory University

64. Exploring STEM Through Aviation

Delta Air Lines

Explore model engines, landing gear, and wind tunnels. See how STEM impacts aviation.

65. Interactive Serious Gaming

UPS

Try loading a UPS package car virtually with our interactive game!

67. Ocean Discovery Zone

Georgia Tech - Depts of Earth/Atmospheric Sciences & Biology

Discover the tools used by marine scientists in deep sea research!

68. Planets, Moons and More!

Georgia Tech - Planetary Society

Explore exciting new discoveries in our Solar System.

69. Get BUGGY!

High Touch High Tech

Experience an up close, hands on, and engaging study of insects and other arthropods.

70. Solving Evolutionary Mysteries with Worms

Emory University - Department of Biology

Discover the advantages of DNA mixing rather than cloning yourself.

71. Wash Your Paws!

UGA Extension

Small but mighty, germs can't be seen, but they can make the whole family sick! Come investigate how germs spread and discover their hiding places.

72. Motion Commotion - Physics, Speed and Safety

UGA Extension - 4-H Youth Development

Motion Commotion will teach you about momentum, kinetic energy, and the science behind car collisions.

73. Soil-Abration: The After-Party

UGA Extension

Explore soil erosion, decomposition and improvement using hands on activities!

74. Hey, You Touched My Brain!

SfN Atlanta & Center for Behavioral Neuroscience

See and touch real human brains, and learn a thing or two about what we have in common with chickens and monkeys!

75. Nature and Nanotechnology

Fernbank Museum of Natural History

From butterflies and lotus leaves, to magic sand and stain resistant pants, explore Nano in nature and how we adapt it to our daily lives.

76. Exploring the Microscopic World

Emory University - Department of Cell Biology

Come explore the microscopic world using your very own smartphone to capture images of plant cells, flies, pond water and more!

77. "Bring Your Own Soil" Citizen Science Project
Science Cheerleaders, SciStarter.com & Emory University
Make mock soil samples and learn about the SMAP program.
78. Where Would You Be Without Geography?
Georgia State University - Georgia Geographic Alliance
Come explore rocks, minerals, and fossils from Georgia with Rocks, Drones, and iPads!
79. Mystery Boxes
Zoo Atlanta
Use your senses and guess which object is inside a mystery box.
80. Dinosaur Doomsday: A Look Into Extinction
Georgia Tech - Junior STEM
Recreate the dinosaur extinction and understand the workings of nature's forces in an interactive game setting.
81. The Pros and Cons of Sticking Together
Georgia Tech - BBUGS
The earth would be a boring place without multicellular organisms. Come explore the first steps in this major biological innovation!
82. Interacting with Apes
Ape Cognition and Conservation Initiative
Communicate with our closest living relatives, bonobos! We will skype with the famous bonobo Kanzi and have many interactive activities!
83. Prebiotic Puzzles
NSF/NASA Center for Chemical Evolution
Challenge yourself to form polymers and micelles like those that would have been on the Early Earth.
84. Wetland and Watershed Wonders
Chattahoochee Nature Center
Simulate a rain event to see how water flows through waters and discover importance of watersheds.

86. The Science of the Canine-Human Bond

UCB, Inc.

Ever wonder why Fido is waiting eagerly at the door for you when you get home? Come learn about why, and meet some very special canines.

100. Chemistry Café

Center for Selective C-H Functionalization

Grab some coffee and a hot steaming cup of chemistry. Explore the exciting world of chemistry through live demonstrations, hands-on activities, and public-friendly talks with real chemists!

Find us in the southeast corner of the Park, at the corner of Encounter and Discover Zones.

INNOVATOR'S PLAYGROUND
sponsored by The Children's School

7. Exploring Static Electricity

Macaroni Kid

Discover how opposites attract by making a beautiful static electricity butterfly.

8. The Engineer's Workshop

Atlanta Section of IEEE

Become an amateur engineer and explore STEM through hands-on activities and demonstrations with IEEE.

9. Fun with Funky Fluids

Emory University - ChEmory

Dance in the Non-Newtonian Cornstarch Dance Pit Of Science! Keep dancing and you float—stop and you sink!

10. I See Sound

The SAE School

See music in motion through fire, water and air! Come experience the elements.

11. Bite Size Science

Georgia State University - Early Childhood Education

Engage in physical science activities designed for the under 8 set and children at heart.

12. The Science of Play

Georgia State University - Department of Psychology

Discover how playing games promotes motor and cognitive skills, and helps with regulation of emotion and the development of social ability.

13. Planting Smiles with Kitchen Science

Oglethorpe University - Department of Biology

Make freaky-faced planters, watch emerging root systems, use cabbage juice acid indicators, and play with squishy chia seed slime.

14. Innovator's Playground

The Children's School

ZONE SPONSOR

Turn your little ones into future scientists and innovators with creative play in this area designed specifically for elementary school children.

INVENT ZONE

sponsored by **Georgia Tech**

16. Making with MODA

Museum of Design Atlanta

Be a MODA Maker. Explore design and prototype with STEAM and Design Thinking tools.

17. Blockhead 3D Scanning

Berry College - Creative Technologies

Be a Blockhead! Have a 3-sided photo of your head mounted on a card-stock block person that you can take home, cut out and assemble.

19. Learning in 3D
PaliProto 3D Studio
Explore 3-D printing with interactive puzzles printed on site.

20. BioBricks: Synthetic Biology in Atlanta
Georgia State University - Department of Biology
Explore synthetic biology and discover the truth about GMOs.

21. Science for EveryBODY: Inspiring Knowledge
Chattahoochee Technical College
You breathe in and out about 18,000 times per day. Learn what happens inside your body as you breathe.

22. DNA Motors
Emory University - Department of Chemistry
Dogs are often trained to alert their owners when they smell certain molecules. We've trained tiny microparticles to do the same thing!

23. Science, Technology and Fun!
Georgia Gwinnett College
Come see insects and volcanos and turn regular items into keys or touch pads!

24. Super Cool Computer Science!
Georgia Tech - College of Computing
Interact with Robots and Animatronics as well as programmed games, videos, and computer generated music!

25. STEM@GTRI
Georgia Tech Research Institute
Our mobile microscopy lab lets you glimpse the fascinating wonders that lie beyond unaided human vision. Then, explore our self-powered photo station!

26. Makers Meet
Georgia Tech - CEISMC
Come to Makers Meet to compete in Georgia Tech's Hungry Hungry Robots and Robo Dash to enjoy fun filled adventures with family and friends!

28. We Make Everyday Life Better, Every Day

The Clorox Company

Come enjoy our hands on science fun with The Clorox Company Team.

29. Renewable Resources from Trees

Georgia-Pacific

Make your own paper and see how recycled content is used in paper-making.

103. Robots!

Kell Robotics

Visit the Kell Robotics Innovation Center and experience the thrill of driving large robots for the FIRST Robotics Competition!

107. Pancakes + Robots = Fun

21st Century STEM Academy

Express your creativity through food with 3D printer technology

109. The Science of Making

Decatur Makers & Maker Faire Atlanta

POWER UP ZONE

sponsored by Georgia Power

30. How to Make and Move Electricity

Georgia Power

Come experience the electricity-making process and become a human conductor to see how electricity moves.

THRIVE ZONE

sponsored by **Cancer Treatment Centers of America**

15. Bioscience and Medical Technology

Georgia BioEd Institute

Come discover how biology and medical technology make our world a safer, healthier place.

87. Cardiovascular Anatomy

Georgia Tech - BBUGS

Come see real hearts and learn from experts how your heart pumps blood and keeps you alive.

88. Solid or Liquid? Viscoelasticity!

Georgia Tech - BBUGS

Discover materials that have characteristics of both a liquid and a solid.

89. Genes By All Means

Georgia Tech - BBUGS

Learn about the template for life and watch DNA be extracted before your eyes!

90. The Evolutionary War on Cancer: The Future is Here

Cancer Treatment Centers of America

CTCA experts will teach how genomic testing can lead to targeted therapies to help cure cancer through fun, interactive, educational games.

91. Concussion & Brain Injury Awareness

Georgia Concussion Coalition

Come test your knowledge of concussions and see up close what happens to your brain when it is injured. A must-see for all youth athletes!

92. Microbes: Making the Unseen Seen

Emory University - Department of Biology

Grow some good bacteria and fungi and learn why not all bacteria and fungi are created equal.

94. The Vaccine's Protective Shield
Emory University - Department of Microbiology and Immunology
Learn how the vaccine shield called herd immunity prevents outbreaks.
95. Hydration for Health
Emory University - Center for the Study of Human Health
Learn what happens when human cells are dehydrated and discover what electricity has to do with sweat.
96. Honoring Women in STEM
Young Women in Bio
March is Women's History Month - stop by to learn more about past and current women in STEM.
97. The Art of Sciku, the Science Haiku
Guerilla Haiku Movement
Capture the science stories all around you by chalking your own 3-line "sciku" poem!
98. Go Further, Jump Higher, Be Stronger
Georgia Tech - School of Applied Physiology
Enjoy interactive demonstrations describing how our bodies are optimized for athletic performance and daily tasks.
99. How Diseases Spread
Northrop Grumman Corporation
Solve an interactive outbreak with an interesting twist to discover how germs and diseases spread.

VEHICLES

1. Bio-Bus Sampler

Georgia State University

Climb on board the Bio-Bus to learn from GSU students about animals and matter.

2. Spark

Community Guilds - STE(A)M Truck

Take a tour of the Southeast's first mobile makerspace and learn about the problems our students are tackling.

4. Economical & Efficient Energy

Georgia Natural Gas

See how compressed natural gas can power a vehicle.

5. Animal Meet and Greet

Georgia Aquarium

Get up close and personal with Georgia Aquarium animals to learn what makes them unique.