



Want to know what activities are best for your aspiring scientists? Check out each booth sign to help guide your day!

**KEY**

- Restrooms
- Information
- First Aid Station & Lost Child Info
- Food Trucks

Paddle Boat rentals  
Olympia & Becuna access

**MUSEUM ENTRANCE**

ACTIVITIES ON TERRACE

NASA ACTIVITIES AND PRESENTATIONS INSIDE!

COOL DOWN SPACE

**INDEPENDENCE SEAPORT MUSEUM**  
Museum access is FREE all day!

MUSEUM ENTRANCE

ROBOT ROW (Terrace)

SHORTCUT TO ORANGE AND ROBOT ROW

TOT LOT

BIKE AND STROLLER VALET

WALNUT ST.

Stage

SCIENCE SPECTACULAR!  
11:00 am | Main Stage

Dow

COLUMBUS BOULEVARD

CLIMATE CITY

CHESTNUT ST.

**YELLOW**

- The Academy of Natural Sciences of Drexel University: **Can You Get Your GAME On! Philadelphia? I Found a Fossil, Now What?**
- Drexel University: **Can You Make Plastic Powder Bounce?** DragonsTeach: **Can "Trash" Be Fun?** Graduate Women in Science and Engineering: **Can We Control the Fantastic World of Flow with Physics?** Physics Graduate Student Association: **What Does a Physicist Do?** TechServ: **How Do Computers Work?**
- Merck & Co., Inc.: **What Is Chromatography?**
- NSS Philadelphia Area Space Alliance: **Are You Ready to Explore the Space Frontier?**
- Temple University: **What Is the Temple Adventure?** College of Education Teacher Residency: **Why Do Leaves Change Colors in the Fall?** College of Liberal Arts and College of Science & Technology, Biology: **How Are You Connected to the World Around You?** College of Liberal Arts Developmental Science Lab: **How Does Your Brain Know Your Body?** College of Science & Technology Department of Biology: **The Deep Sea - What's in it for Me?** College of Science & Technology Physics Department: **How Small Can a Motor Get?** College of Science & Technology and Hovione LLC: **Can Chemicals Glow?** College of Science & Technology STEM U: **Are You up to the STEM U Challenge?** College of Science & Technology Summer Programs: **Can You Make a Space Suit?**

**PURPLE**

- Temple University Continued: College of Science & Technology TUTeach: **Can Your Phone Be Used for Science?** College of Science & Technology and Naval Surface Warfare Center, Philadelphia Division: **What Does STEM Got to Do with It?** The Franklin Institute: **What's Up in Astronomy?** The Franklin Institute and Drexel University: **What's So Big About Super Small Science?** The Franklin Institute and University of Pennsylvania: **What's So Big About Super Small Science?**
- CLIMATE CITY**  
The Nature Conservancy: **How Is Nature a Water Filter?** Citizens' Climate Lobby: **What Is Making the Earth Get Warmer?** Mural Arts Philadelphia: **How Does an Aerosol Can Work?** Energy Coordinating Agency: **How Much Energy Heats and Cools Your Home?** The Franklin Institute and Susquehanna Clean Up/Pick Up, Inc.: **Are You Prepared for a Wetter Philadelphia?** Clean Air Council: **What's That Smell?** Temple University: **How Can You Stay Cool During a Heat Wave?** City of Philadelphia's Office of Sustainability: **Watt Is Using Electricity in Your Home?** Solar States: **Is Solar Possible for Me?** PennEnvironment: **How Can We Prevent a Hotter Philadelphia?**

**BLUE**

- AECOM: **What Happens to Rainwater?** American Philosophical Society: **What Colors Can You Make?** Audubon Pennsylvania: **Where Are the Birds?** Bayshore Center at Bivlave: **What Can Oysters Do for You?** Bighorn Basin Paleontological Institute & Delaware Valley Paleontological Society: **What Is a Fossil, Anyway?** Bryn Mawr College: **Are You a Magnetic Train Conductor?** Center for Aquatic Sciences at Adventure Aquarium: **Man vs. Shark - Who Loses?** Community College of Philadelphia: **Is There Acid in Your Pantry?** DOW: **How Is STEM Related to the Classical Elements and to the Human Element?** FMC: **Can Science Save the World?** Germantown Academy: **How Can Molecules Be Attractive?** GSK: **How Is a Medicine Developed?** GSK Science in the Summer and The Franklin Institute: **How High Do They Bounce?** Houghton International: **Are You a Fan of Science Friction?** John Heinz National Wildlife Refuge: **How Can You Help Pollinators?** La Salle University: **How Does Your Heart Work?** Let's Go Outdoors: **What Are (Water) Ways To Go Outdoors?** MetroPCS: **How Much Science Is in Your Phone?** Partnership for the Delaware Estuary: **What Animal Cleans Water Better Than a Filter?** Pennsylvania Society for Biomedical Research (PSBR): **How Can Animals Save Your Life?**

**GREEN**

- Philadelphia and Drexel University Sections of The Society of Women Engineers: **Is Electrical Resistance Futile?** Philadelphia Section of the American Chemical Society: **Can You Make Art Using Science?** Philadelphia University: **Do You Want to Play a Life-Size Game of "Operation"?** PHL Life Sciences in Partnership with IPraxis, Inc.: **What Can Affect the Circulatory System?** PJM Interconnection: **How Does Electricity Flow to Keep the Lights On?** Reach Cyber Charter School: **Can You Lift a Ball Without Touching It?** Riverbend Environmental Education Center: **Is Fish Poop the Future of Food?** Rowan University: **Asteroids, Meteorites, and How Did the Dinosaurs Die?** **What Kinds of Reptiles Can You Find?** **What Makes Things Float and Sink?** **Where Is the SCIENCE in Exercise?** Saint Joseph's University: Molloy Chemical Society and Sigma Zeta Honor Society: **Can Density Be Groovy?** The McNulty Scholars Program: **Can You Synthesize Protein Like a Ribosome?** Spells Writing Lab: **Can You Solve the Case of the Stolen Yeti Poop?** STEM Scouts: **Can You Control a Vortex?** The Phillies: **What's Inside the Cowhide?** University of Delaware: **What's Amazing About the Horseshoe Crab?** **What Makes Hydrogels Such a Great Material?** Institute of Energy Conversion: **How Can You Harness Solar Energy?** University of the Sciences: **Can You Catch That Wave?** WTS Transportation YOU: **How Can Plants Help Our City Streets?**

**ORANGE**

- American Helicopter Museum and Education Center: **How Do Helicopters Fly?** Free Library of Philadelphia: **Can You Really Eat That?** Lockheed Martin: **What's It Like to Be on Mars?** Philadelphia Solar Energy Association: **Is the Sun a Racing Fuel?** Rowan College at Burlington County: **Can You Practice Astronomy During the Day?** The Baldwin School: **How High Can Your Rocket Fly?** The Energy Co-Op: **How Does Renewable Energy Work?**
- TOT LOT**  
Bright Horizons Early Education and Preschool: **How Can You Encourage Science Exploration at Home?** PNC Grow Up Great: **What Do Young Children Learn by Building?** The McNulty Scholars Program: **Can You Synthesize Protein Like a Ribosome?** Spells Writing Lab: **Can You Solve the Case of the Stolen Yeti Poop?** STEM Scouts: **Can You Control a Vortex?** The Phillies: **What's Inside the Cowhide?** University of Delaware: **What's Amazing About the Horseshoe Crab?** **What Makes Hydrogels Such a Great Material?** Institute of Energy Conversion: **How Can You Harness Solar Energy?** University of the Sciences: **Can You Catch That Wave?** WTS Transportation YOU: **How Can Plants Help Our City Streets?**

**TEAL (Terrace)**

- Agora Cyber Charter School: **How Does a Greenhouse Work?** Air Management Services: **How Clean Is the Air You Breathe?** American Association for Cancer Research: **What is Cancer?** Axalta Coating Systems: **How Good Is Your Color Vision?** BOSEbuild: **How Does a Speaker Work?** Braskem: **How Do Plastics Help Astronauts in Space?** Children's Hospital of Philadelphia: **Why Do You Catch a Cold?** **What Are the Dangers of Ingesting Non-Food Items?** **How Do I Stay Healthy?** **What Did You Say?** **How Does Blood Flow Through Your Heart?** Esperanza College: **How Does Oxygen Move Around the Body?** Kimberly-Clark Chester Mill: **How Is Toilet Paper Made?** Pennsylvania SPCA: **How Do Pets Perceive the World?** Philadelphia Department of Public Health: **What Do Vape Pens, Lead Paint, Mosquitoes, and Salt Have in Common?** Power Home Remodeling Group: **How Do You Stay Warm in the Winter and Cool in the Summer?** Professional Development Dimensions: **How Much Momentum Does It Take?** Renewal by Andersen: **What's Your Window Composition?** SEPTA: **How Many People Can You Fit on a Market-Frankford Line Car?** SciStarter: **How Can Day-Dreaming Help NASA Ground-Truth Satellite Data?**

**SPARK-FUEL-IGNITE!**

- How Do You Make Connections?** The Philadelphia Zoo: **Who's Who at the Zoo?** Tyler Arboretum: **Are Bird Beaks the Tools of Nature?** University of Pennsylvania: Center for Brain Injury and Repair: **Do You Mind Your Brain?** Developmental, Stem Cell, & Regenerative Biology Graduate Group: **What Is a Model Organism?** Genetics & Gene Regulation Program: **What Is the Blueprint of Life?** L.R.S.M.: **What Are the Bear Essentials of Polymers?** Neuroscience Graduate Group: **Can You Improve Your Memory?** **How Can Your Ears Be Fooled?** SACNAS Chapter: **What Is Epigenetics?** School of Veterinary Medicine: **What Does a Veterinarian Do?** Women in Chemistry: **How Can You Create Color with Chemistry?** University of Pennsylvania Museum of Archaeology & Anthropology: **How Was Science Used to Make Ancient Adornments?** University of Pennsylvania and The Charlie Bates Solar Astronomy Project: **What Will I See on the Sun Today?** Wistar Institute: **What's Inside Your Cells?**

**ROBOT ROW**

- American Society of Clinical Laboratory Science: **Are You a Medical Detective?** AT&T: **How Does Virtual Reality Work?** Bodine High School for International Affairs: **What Is Magic Sand?** Commonwealth Charter Academy: **How Do Our Thoughts Cause Our Actions?** Delaware Valley Science Fairs: **How Can You Change the Shape of a Bubble?** Episcopal Academy: **How Can a Balloon Help Us See, Hear, and Feel Sound?** Kresson School: **What Can Zebrafish Teach Us About Genetics?** Nemours: **How Can Your Genes Affect Your Hearing?** PA Virtual Charter School: **What Makes a Superball So Super?** Philadelphia College of Osteopathic Medicine: **What's Bubbling in Your Brain?** Salus University: **What Are Speech-Language Disorders?** **What Do You See and Hear?** Thomas Jefferson University: **Are You Safety Ready for Summer?** **From Cells to Elephants... What's Cancer Got to Do with It?** **What Do You and a Strawberry Have in Common?** **What Has More Germs Than a Toilet Seat?** **What Keeps You Balanced?** **Why Is Drug Discovery a Tough Pill to Swallow?** University of Delaware Project Brain Light: **How Does Your Brain Communicate with Your Body?**

**ENGINEERS' CLUB OF PHILADELPHIA**

- Engineers' Club of Philadelphia: **What Do Engineers Do?** PECO: **How Are You Using Energy?** **How Can You Save Energy and Money?** The Tesla Science Foundation: **What Was the Vision of Tesla?**
- ROBOT ROW**  
Boeing: **How Do Rotocrafts Fly?** Central High School RoboLancers: **How Can Robots Inspire You?** Chester Center for Second Chances, Inc.: **How Do Robots Communicate with Each Other?** KIPP DuBois Collegiate Academy / Tiger Woods Learning Center / SAP STEAM Program: **Can You Build a Simple Flashlight?** **Can You Help a Robot Navigate?** National Society of Black Engineers Greater Philadelphia Professionals Chapter: **Can You Build an Electric Motor?** New Foundations Charter School: **How Do Robots Help Athletes Practice?** Please Touch Museum: **How Do You Make a Circuit?** Rowan University: **What's More Awesome Than Robots? Robots That Compete in Sumo Competitions!** TechGirlz: **What's Inside a Computer?** The Franklin Institute: **How Can a Simple Circuit Create a Scribbling Robot?** **How Can Children Learn About Robotics at Home?**



## MAIN STAGE

### Alex & the Kaleidoscope

Alex & the Kaleidoscope engages audiences of all ages with their lively and interactive performances. Sing, clap, and dance along!

Performing throughout the day on the half hour, beginning at 10:30 am.

### The Franklin Institute's Traveling Science Show's Science Showdown

Four sci-athletes are prepared to amaze you with over 20 science demos in two hotly contested matches. The referee will keep things in order and call fouls as necessary. You be the judge and help us crown a science champion.

Performing throughout the day on the hour, beginning at noon.

## DON'T MISS OUR AWE-INSPIRING OPENING DEMONSTRATION!

11:00 am on the Main Stage



## FOOD TRUCKS & STANDS



**Cheese It Up**  
Champs Steaks  
Cow and the Curd  
Foltz Concessions

**Frozen Delights Ice Cream Truck**  
Oink & Moo  
Revolution Taco

**The Tot Cart**  
Little Baby's Ice Cream (located in Teal Terrace)  
Food Stands (located in all sections)

## INDEPENDENCE SEAPORT MUSEUM

The Independence Seaport Museum is FREE for visitors today! Stop inside and enjoy the region's premier maritime museum. Cool off in a special sensory-friendly space, listen to real NASA scientists give short talks and showcase activities on everything from water in the solar system to the discovery of the Trappist-1 planets, and explore even more hands-on activities and programs celebrating the joy and wonder of science!

**Cruiser Olympia and Submarine Becuna are open all day, \$7**

Tickets available at the museum box office or on each of the ships

**Kayaks and Rowboats available for rental, 11:00 am-4:00 pm**

Single Kayaks: \$5/half hour  
Swan Boats: \$10/half hour  
Tandem Kayaks and Rowboats: \$10/half hour

[www.PhilaScienceFestival.org](http://www.PhilaScienceFestival.org)

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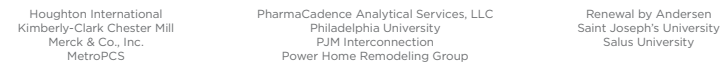
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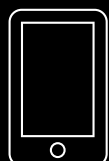


April 21-April 29

# CARNIVAL MAP 2017

Science Carnival at Penn's Landing | April 29, 10:00 am-4:00 pm

Interactive map available! Text GetNerdyPHL to 31-3131



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