SAVE THE DATE FOR THESE UPCOMING SCIENCE AFTER HOURS PROGRAMS!

Check www.fi.edu for more detailed information.

SEPTEMBER 20
Wizard School

OCTOBER 31
Creatures of the Night

NOVEMBER 15
Prime Time Crime

Buy tickets tonight at the box office and avoid online service fees.

Share your experience on social media with #ScienceAfterHours

THANKS TO THE FOLLOWING PROGRAM PARTNERS IN MAKING TONIGHT’S PROGRAM A SUCCESS!

Bryce Remsburg
Chemical Heritage Foundation
Joseph Graff and Company
Olde City Sideshow
Philadelphia School of Circus Arts
Philadelphia Water Department
Saint Benjamin Brewing
Thomas Jefferson Comprehensive Concussion Center
Thomas Jefferson University
University of Pennsylvania Neuroscience Graduate Group
Zambelli Fireworks

TIMED LIVE PROGRAMS:
The Olde City Sideshow
Featuring guest performer Cameron Catastrophe: (25 minutes)
3rd Floor Musser Demonstration Theater: 7:15 pm, 8:15 pm, and 9:15 pm.

LARGE SCALE DEMONSTRATIONS:
(10 minutes)
7:45 pm Soap Bubble Monster - Science Park (access from Atrium)
Have you ever thought of putting dish soap in a dishwasher? Find out why this is not such a good idea as we create a bubbly mess so you don’t have to at this one time only demonstration.

8:45 pm Ball Pit Ball Explosion - Franklin Memorial (2nd Floor)
Be sure to check out this explosive demo that sends hundreds of ball-pit balls flying through the air. Ben Franklin would absolutely approve of this.

9:45 pm Gravity Drop - Atrium (2nd Floor)
It’s typically not a good idea to play with your food but we aren’t typical people. Let’s see what happens when some of your favorite messy foods find themselves hitting the floor from 42 feet up. You don’t want to miss this one!

Make sure to pick up a complimentary pair of protective eyewear at each of these demonstrations. 1 per guest while supplies last.

Quizizz: Rounds begin at 8:05 pm, 8:45 pm and 9:15 pm in Franklin Foodworks on the 2nd Floor

A selection of wines, craft beers and snacks are available for purchase in our 2nd Floor Atrium Café and Franklin Food Works. A beer and wine bar will also be located in 1st floor Space Command.

DON’T TRY THIS AT HOME
TUESDAY, AUGUST 9TH | 7:00–10:00 PM

Hope you brought your hard hats and protective eye wear because tonight we go for our most explosive and messy Science After Hours yet! Join us in the danger zone as we implode, explode, and shock the night away with amazing live demonstrations and hands-on activities.
**1st FLOOR ACTIVITIES**

**FELS PLANETARIUM:**
Philadelphia School of Circus Arts:
Ladies and gentlemen, it’s time to test your skills in the arts of the circus. With professional instructors, you’ll experiment with balance, strength, and coordination on low tightwires and also with aerial silks. We’ll keep you safe but get you off the ground in this fun and challenging station.

**PLANETARIUM HALLWAY:**
In a Pinch: Learn the science behind taste perception and enjoy some sea-worthy brews from local brewer, Saint Benjamin Brewing.
Timbrell: Singing your favorite songs can be a gas, especially when that gas is either less or denser than the air we typically breathe. Learn how you can change the sound of your voice with a little help from some science.

**SPACE COMMAND:**
Try this at home! Saxby’s Coffee: Get your caffeine fix when you sample some cold brew drinks each featuring special house-made sauces.

**NOT by Land or by Sea:** To flush or not to flush? Join the Philadelphia Water Department as we explore what should not be going down the drains in your home and how what we do on land can also affect our water.

**TRAIN FACTORY:**
Firework Science: Explore the ins and outs of your favorite pyrotechnic displays with experts from Zambelli Fireworks and learn why you should leave the heavy and explosive science to the pros.

**2nd FLOOR ACTIVITIES**

**IMAX:**
VIP Members Lounge: Franklin Institute members enjoy a private bar, free drink ticket, and an exclusive activity in the VIP Member Lounge! Stop by the IMAX entrance on the 2nd Floor. Visit the Box Office to become a member!
Join the Leinenkugel crew for some exclusive tastings in our Franklin Institute Members Lounge.

**ELECTRICITY:**
Highlight: The pen may be mightier than the sword but learn how your pencil may be harnessing a greater power...with fire!

**GIANT HEART:**
Emergency or Not? Learn from Thomas Jefferson University Hospital staff whether your injury or illness requires emergency attention, or can be handled with at home remedies and help from a virtual physician visit.
Body Bop It: Don’t pop your pimples! Don’t put q-tips in your ear! Embrace these and other social taboos at this interactive game that will make you pick, scratch, pop, and swab with excitement.

**KEY HALLWAY:**
Heads Up: Test your balance and cognitive skills through games and a balance testing system to see how a concussion changes you.
Know Your Limits: Is it possible to have too much of a good thing? Place your bets and see how some of your favorite foods can be deadly if you don’t know when to call it quits.

**FRANKLIN AIRSHOW:**
Flash Fire Fractals: What could go wrong when you send 1000s of volts of electricity through a plank of wood? Find out the fascinating patterns created with this electrifying demonstration with the Franklin Institute prototype team.

**FRANKLIN FOOD WORKS:**
Quizzie: Put on your hard hats and your thinking caps for this edition of Science After Hours Quizzi! Rounds begin at 8:05 pm, 8:45 pm and 9:15 pm.

**FRANKLIN MEMORIAL:**
Virtual Worlds: Join the folks from AT&T and be transported to a virtual world using some new and amazing technology!
Play with Fire: Most of us may admit to having pyro like tendencies but before you start throwing fire around, learn from the pros why the fire-play is a lot of science and safety (periodic demonstrations will also take place on the front steps of the museum).

**3rd FLOOR ACTIVITIES**

**PENDULUM GALLERY:**
The Deep Freeze: It’s -320 degrees Fahrenheit so it already makes it one of our coolest activities. Work with some of our scientists from the Drexel Society of Woman Engineers to get an opportunity to get hands-on with liquid nitrogen.

**MUSSER DEMONSTRATION THEATER:**
The Olde City Show featuring guest performer Cameron Catastrophe: Philadelphia’s hometown sideshow sweethearts are ready to show you thrills, chills and things that YOU definitely should not be trying at home...that’s their job and they do it very well. Putting their bodies in harms way for your entertainment. Performances at 7:15 pm, 8:15 pm and 9:15 pm.

**4th FLOOR ACTIVITIES**

**OBSERVATORY:**
Night Sky Observation: Stop up to our Observatory and take a peek at the evening sky through our 10" Zeiss refracting telescope (weather permitting).
TAKE ELEVATOR B TO THE 4TH FLOOR TO GET TO THE OBSERVATORY

**ARDOROUND THE MUSEUM**
**MAX MAJOR: SPECIAL GUEST APPEARANCE TONIGHT!**
Seeing is disbelieving. Mentalist magician Max Major returns to The Franklin Institute by popular demand to present his mind-bending experience THINK AGAIN August 26 & 27. Be prepared to participate in a group hypnosis or even have your mind read through a combination of magic, psychology and suggestion that just might make you THINK AGAIN about what is truly possible.