

LANCASTER SCIENCE FACTORY

SPRING 2023

IT'S GOING TO BE THE BEST SUMMER EVER!

SUMMER STEM CAMPS FOR KIDS IN GRADES K - 8

Summer is one of our busiest and most fun times here at the Science Factory. This year, we have a packed schedule of **30 exciting STEM Camps** that start June 12th! From Intro to Robotics to The Science of Art to Prehistoric Creatures, there are fun camps to spark the creativity of any child!

FEATURED CAMP: BIRDS IN THE BACKYARD

Kids who have completed any grade 3 - 8 will have fun at this **natural science and arts camp**! Campers will explore the Lancaster Science Factory's very own backyard - *our new outdoor courtyard* - and attract local bird species. They'll build a habitat, learn calls, and do creative art projects based on nature.

COST & SCHEDULE

The price is just **\$165 per camper** for each half-day camp. Choose a morning, an afternoon, or sign up for both and stay all day!

Scholarships are available for families with a financial need.



SIGN UP NOW

Spaces are going fast! Sign up now at: www.LancasterScienceFactory.org/summercamps.

WHAT'S NEW IN THE EXHIBIT HALL?



Now is the perfect time to plan your next visit to the Science Factory! We've just added new exhibits that are fun for the whole family with **even more in store this spring!**

Make some beautiful music with the **Laser Harp**! Switch through dozens of instruments and sounds as you strum the invisible strings! You'll also love our new **Magnetic Motion Wall**, a huge space where you can build with gears and pulleys, or make a kinetic energy-powered ball roll from one side to the other!



CURRENT HOURS

Tuesday - Saturday: 10am - 5pm
Sunday: 12 - 5pm

STARTING MEMORIAL DAY - OPEN 7 DAYS!

Monday - Saturday: 10am - 5pm
Sunday: 12pm - 5pm



Dear Science Factory Community,

STEM education teaches more than concepts. Hands-on learning develops creativity, curiosity, problem solving, critical thinking, leadership, and more. These skills prepare students to be innovative, and **innovative thinkers have the potential to change the world.**

Our team warmly welcomes you to return to our Mueller Family Outdoor Courtyard this spring to explore gardens, exhibits and activities on an environmental science and sustainability theme. Step outside in our Summer Camps to learn about green infrastructure, build habitat for birds, and paint a mural.

New this spring, the **High Foundation Sky Bridge** will inspire wonder and awe as you climb a giant suspension bridge for a birds' eye view of the Hall of Science. Look up to see the climbing panels elevated in steel and safety netting. Each panel has a holographic finish on the bottom – the colors and reflections will change as you move. The tops of each panel will feature aerial photographs from around the world. See if you can spot the Chesapeake Bay and the pyramids of Egypt!

As you enter the Science Factory, check out the dazzling new **mosaic art installation** by **Kevin Lehman** of the Lancaster Creative Factory. Each piece celebrates the amazing donors to our Elevate Curiosity Capital Campaign who have made so much innovation possible here.

Thank you!

Emily K Landis

Emily Landis, Executive Director



Installation for the High Foundation Sky Bridge exhibit begins in March. Stay tuned for a Grand Opening date in April!



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2023 SCIENCE IS AMAZING FESTIVAL

CENTRAL PENNSYLVANIA'S LARGEST STEM FAIR

The Lancaster Science Factory invites you to join us for our annual Science is Amazing Festival on **Sunday, April 23rd!**

Let your inner scientist come out to play during one of **two ticketed admission sessions** at either **12:00 - 2:00pm OR 3:00 - 5:00pm.**

Admission is FREE but capacity is limited.

This event will sell out!

Register for this event online at:

www.LancasterScienceFactory.org/scienceisamazing

EVENT PARTNERS & ACTIVITIES

Make 717 - Soldering and Mini-Maker Faire
Eurofins Lancaster Laboratories - Chemistry Magic
Cargas - Scratch Coding
PCA&D - Create Your Own Wooden Universe
Lancaster Conservancy - Pollinator Plinko and more
Solar United Neighbors - Solar Science Activities
Fulton Bank - Hands-on Money Math
High Steel - Virtual Welding
Lancaster Creative Factory - Fabric and Canvas Art
Advanced Cooling Technologies - Heat Transfer Science
F&M College DAX Lab - Draw a Scientist
UPMC Health Plan - Glo Germ Healthy Hands Activity
Reach Cyber Charter School - Weather Science
Millersville University TEECA - Squishy Circuits, CNC Demos

SCIENCE
is
AMAZING
FESTIVAL



Science is Amazing is a FREE community event thanks to our sponsors:

Eurofins Lancaster Laboratories, UPMC Health Plan,

Advanced Cooling Technologies, Reach Cyber Charter School, Fulton Bank, High Companies, PPL, and Murray

MORE UPCOMING EVENTS

HANDS-ON STEM CLASSES
WEDNESDAYS & FRIDAYS @ 4PM

STEM SATURDAYS @ CULLITON PARK
FREE ACTIVITIES FROM 11AM - 1PM (STARTS APRIL 1ST)

WATER WEEK
SPECIAL CLASSES AND EVENTS JUNE 3 - 10



KEEP UP WITH ALL OF OUR CLASSES AND SPECIAL EVENTS AT:
WWW.LANCASTERSCIENCEFACTORY.ORG/EVENTS

WELCOME: JOANNE TRUSZ, STEM EDUCATOR

Our education team is growing to meet the demand for quality STEM programs in our community!

What is your STEM superpower?

I'm a jack of all trades. I embrace all topics and I'm ready to step into any classroom. I also have a background in theater and dance so I like to make it STEAM (adding the arts to science, technology, engineering, and math.)

How do you connect your background in theater and music to STEAM?

Music turns my brain toward creativity. I play the flute and brass instruments. My favorite is the trumpet. Drawing upon my theater background, my best

advice is to be an "educated artist." Understand all aspects of what is going on and create a memorable experience from the lights to the sound!

What impact are you hoping to make at LSF?

I want my students to know that anyone can be a scientist, and that you can really find science everywhere.

Favorite quote:

"You are unique, and if that is not fulfilled, then something has been lost." -Martha Graham, modern dance pioneer



VOLUNTEERS KEEP THE GEARS TURNING

HELP SUPPORT OUR MISSION BY GIVING YOUR TIME



The Lancaster Science Factory will welcome a record number of visitors in 2023, with peak visitation in the Spring and Summer. To help us provide the best possible visitor experience we are actively recruiting volunteers to help with operations in our exhibit hall.

WHO CAN VOLUNTEER

Anyone age 16+ is eligible to volunteer. No science experience is necessary! Volunteers should be dedicated to our mission of inspiring children to develop curiosity, think creatively, and build confidence as they explore STEM through hands-on learning. Child abuse clearances are required for all volunteers over 18.

For more information about volunteering contact Kyle Walsh, Manager of Visitor and Volunteer Services at kwash@tlsf.org or apply online at: www.LancasterScienceFactory.org/volunteer

VOLUNTEER SPOTLIGHT: HALEY MYER

How did you become involved at the Science Factory?

I am a product Development Engineer at Advanced Cooling Technologies. I work on developing new thermal management systems in spacecraft and military applications. I pass LSF every day on the way to work and had memories of visiting here when I was a kid. I decided to volunteer and have had an amazing experience ever since!

What advice would you give the next generation of STEM students?

Remember, this field was created by people no smarter than you and no more capable than you!

What difference has volunteering at the Science Factory made in your life?

LSF gave me a family when it was exactly what I needed in Lancaster. It is so fulfilling to be friends with people who also care about giving back and engaging with the community.



MUSEUMS FOR ALL NEEDS YOUR SUPPORT

PITCH IN TO FUND THIS IMPORTANT ACCESS PROGRAM



Today, one of our thriving access programs has an urgent need for your support. **Museums for All** allows us to welcome anyone who demonstrates a need by showing a valid EBT/SNAP card and ID to visit the Science Factory for free with up to five guests.

In 2022, more than 1,200 low income students and families visited us for free through this program. In just the first two months of 2023 more than 500 have attended via Museums for All. With program usage outpacing current funding, we ask you to **consider a gift this Spring** to help keep the Science Factory accessible to everyone in our community.



Part of the Science Factory's mission statement is to "make our facility and educational programs accessible to all." In order to achieve this goal we offer a number of need-based scholarship and access programs. Last year approximately **half of our 51,000 annual visitors received free admission** thanks to the generosity of our supporters.

SAVE THE DATE FOR A TASTE OF SCIENCE 2023!

A Taste of Science for The Lancaster Science Factory, our signature fundraising event, will return on **Thursday, October 19th, 2023**. Stay tuned over the next few months for more information and for your chance to get tickets! If you would like to contribute to our raffle or silent auction, or if your business would like to sponsor this event, please contact Rob Reed at the Development Office at rreed@tlsf.org.



**DID YOU
KNOW?**

Did you know that qualified businesses can earn **tax credits** equal to 75% - 90% of its contributions to approved Educational Improvement Organizations like the Lancaster Science Factory?

Learn more at:

<https://dced.pa.gov/programs/educational-improvement-tax-credit-program-eitc/>



**The Mueller Family Outdoor
Courtyard at the Lancaster
Science Factory will be
reopening for the season soon!**