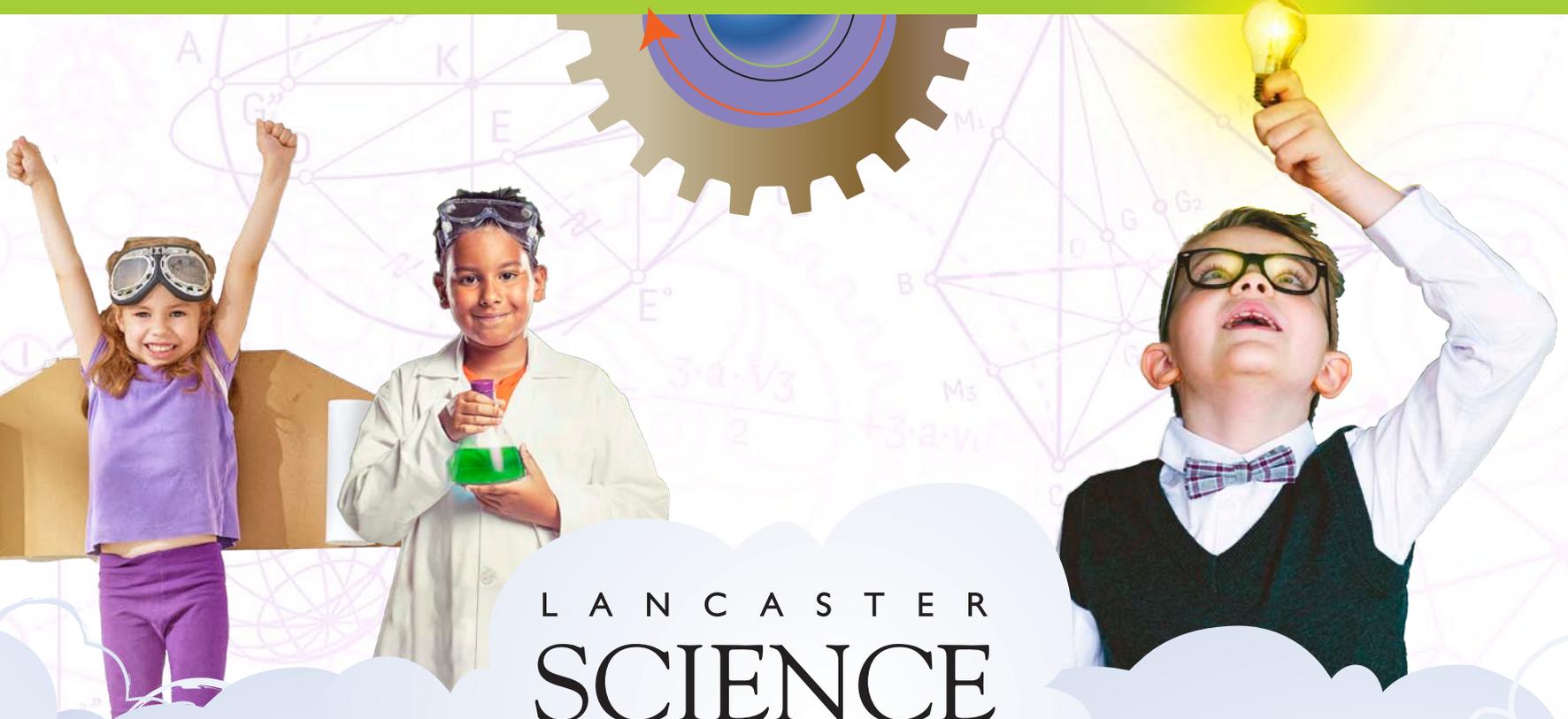


# ELEVATE CURIOSITY

Building on a decade of doing by launching into the future.



L A N C A S T E R  
SCIENCE  
FACTORY

10<sup>TH</sup> ANNIVERSARY CAMPAIGN



## WHO WE ARE

A thriving science center that delights, educates, and empowers while addressing our urgent need for hands-on STEM education (science, technology, engineering, and mathematics).

## OUR MISSION

The Lancaster Science Factory's mission is to create an environment for learning which helps children develop curiosity, think creatively, and build confidence as they learn the principles of science and the application of science in engineering and technology. Highly interactive exhibits, workstations, and mini-labs offer "open-ended" learning experiences with opportunities for visitors to experiment and create.

We actively seek to make the Science Factory accessible to all young people in our community.

## DEAR FRIENDS OF THE SCIENCE FACTORY ...

Hundreds of volunteers and donors came together in 2008 to make the Lancaster Science Factory a reality. Since then the Science Factory's entrepreneurial, energetic approach has been a smashing success - so much so that we've outgrown our current space in just nine years.

Now, as we approach our tenth anniversary, we want to use the same innovative, hands-on approach to grow our capacity to meet Lancaster County's need for STEM education that inspires life-long learners.

More than ever, we need citizens who are investigators, tinkerers, problem-solvers, inventors, dreamers, and doers with the skills to make their ideas come to life.

The Science Factory offers an unforgettable, galvanizing experience for our young people. As students from all walks of life build catenary arches, feel electricity, and program robots, they're learning that they actually like - and are good at - STEM.

Our goal in this campaign is to elevate our ability to serve all youth, while we elevate the curiosity within each child that walks through our doors. It is through this curiosity that children begin to think creatively, which builds confidence to pursue their passions and reach their full potential.

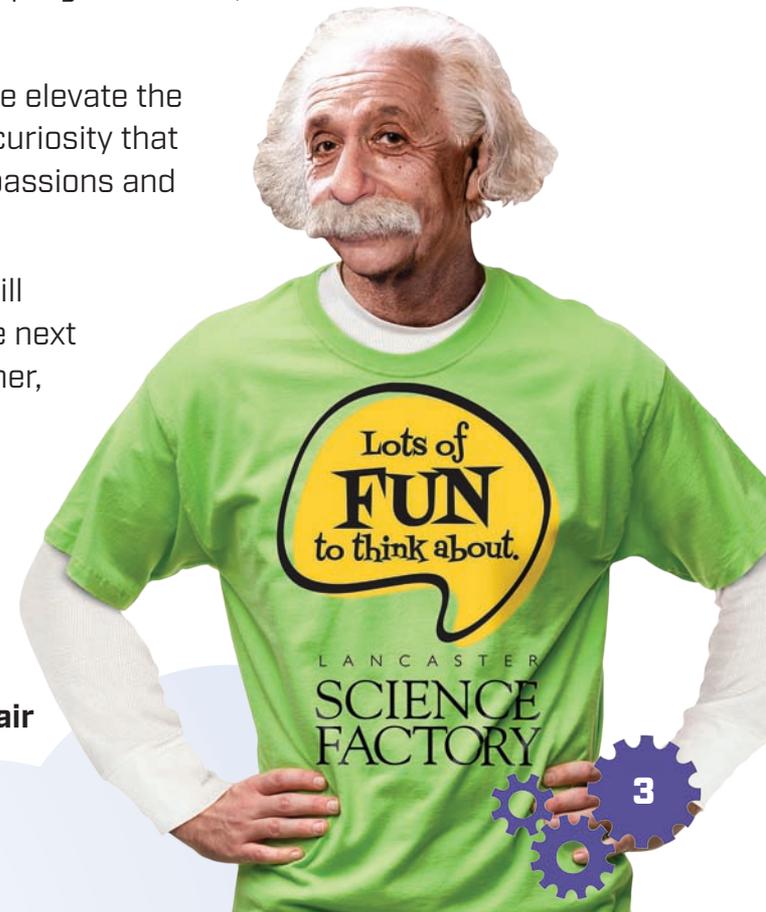
The following pages detail the projects, programs, and endowments that will elevate the curiosity of hundreds of thousands of Lancaster's youth for the next ten years and beyond. Lancaster donors and volunteers are coming together, once again, to inspire children from all walks of life through a special \$3 million capital campaign. We hope you will join us!

*Barbara A. Burnett*   *Nate Scott*   *Emily K. Landis*

**Barbara Burnett, LGH, LSF Board President & Campaign Co-Chair**

**Nate Scott, Cargas Systems, LSF Board Member & Campaign Co-Chair**

**Emily Landis, LSF Executive Director**

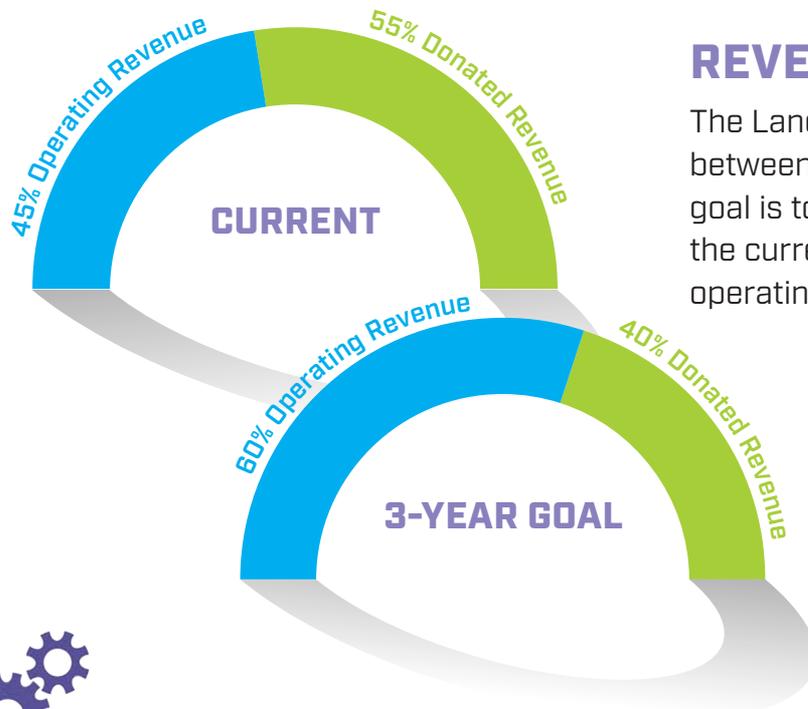


# SUCCESS! AND WE'RE JUST GETTING STARTED...

Designated by the Commonwealth of Pennsylvania to serve as the “Science Lab for Lancaster County,” the Lancaster Science Factory opened its doors in 2008 with a mission to advance STEM education for all children in our community.

In just shy of a decade, over 300,000 visitors have experienced our immersive exhibits and our wide variety of hands-on educational programs. With a dedicated staff of six - and an amazing group of more than 150 active volunteers - we've kept our budget lean, and built a highly credible and sustainable organization.

This commitment to quality has resulted in the development of partnerships with local businesses and schools, as together we seek to inspire the next generation of inventors, scientists, and engineers in Lancaster County.



## REVENUE

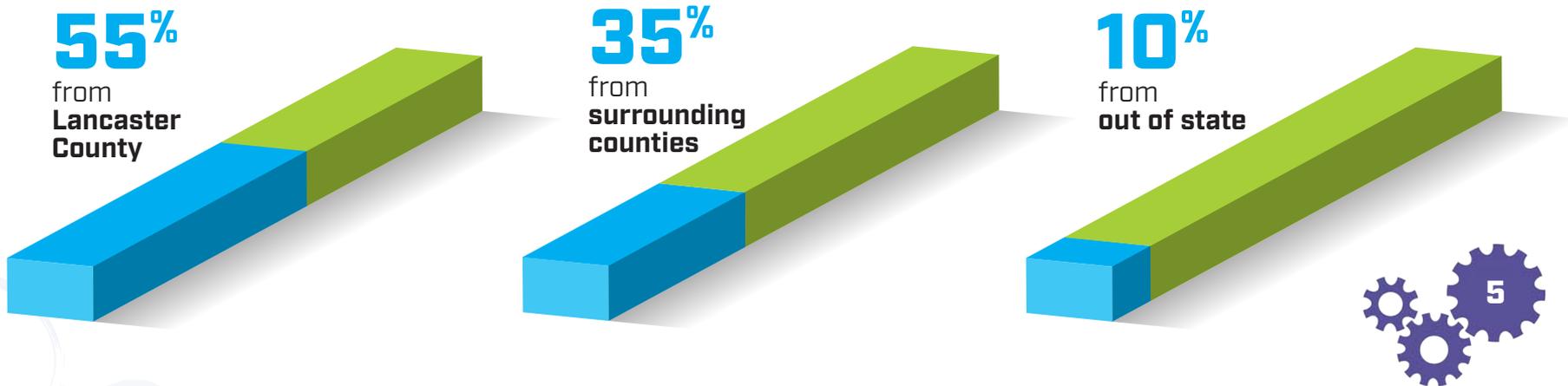
The Lancaster Science Factory's revenue streams are divided between operating and donated revenue. Our three-year goal is to expand sustainable sources of income, and change the current ratio of 45% operating and 55% donated to 60% operating and 40% donated.



# THE LANCASTER SCIENCE FACTORY: BY THE NUMBERS

	2008	2009	2010	2011	2012	2013	2014	2015	2016	3-YEAR GOAL
VISITORS	23,586	32,880	34,987	38,278	38,576	42,326	41,303	42,552	42,784	60,000
STEM EXHIBITS	40	45	50	51	52	55	59	61	64	80
FULLTIME STAFF	1	3	4	4	5	5	6	6	6	8
VOLUNTEERS	69	116	136	140	146	124	159	185	166	225
TOTAL REVENUE (\$)	591k	474k	409k	433k	430k	454k	596k	627k	785k	\$1M

## 300,000 VISITORS... AND COUNTING!



# EDUCATIONAL PROGRAMS EXTEND LEARNING

## Make-It-Yourself

Twice a month during spring and fall, local STEM professionals lead hands-on youth Make-it-Yourself Workshops while providing career mentoring and sharing their real-world experiences.

## Summer Science Camps

Each summer the Science Factory offers 20 different week-long Summer Science Camps over the course of 10 weeks. With sessions in the morning and afternoons, camps explore subjects like physics, chemistry, science, and art as well as rockets, structural engineering, and more.

## Scout Programs

The Science Factory offers Cub Scouts the free Commemorative Science Patch and Webelos Engineer Adventure Pin programs. Girl Scouts are offered the free Scientific Achievement Patch, Science Expert Pin, Inventor and Home Scientist Patches.

## After School Programs

The Science Factory provides educational outreach to six middle schools in the School District of Lancaster through our After School Program. Workshop programming customized to correspond with classroom learning is held at the schools.

## Homeschool Classes

Throughout the fall and spring, students from across the region gather at the Science Factory for special Homeschool Classes led by our in-house STEM educator. Recent topics include “Balancing Invisible Forces,” “Crashes and Collisions,” and “Simple Machines.”

## Girls Code Club

Girls Code Club is a monthly meet-up for girls to learn computer science concepts and coding applications. Girls learn to design their own website, video game, or computer program based on their individual interests. Two sessions are held monthly between September and May.

## BIG IMPACT: SCIENCE CENTERS EDUCATE AND INSPIRE

Research confirms, for both youth and adults, visiting an interactive science center like the Science Factory significantly correlates with increased:

- 1** Science and technology knowledge and understanding
- 2** Science and technology interest and curiosity
- 3** Engagement and interest in science as a school subject
- 4** Engagement with science and technology-related activities out of school
- 5** Personal identity and confidence in science and technology

Sources: Falk, D., Needham, M. D. (2011). *Measuring the Impact of a Science Center on Its Community. Journal of Research in Science Teaching, Vol. 48, NO. 1, PP. 1-12.* Falk, D., Needham, M. D., Dierking, L. D., Prendergast, L. (2014). *International Science Centre Impact Study Final Report.*



## SCIENCE SPOTLIGHT

**STUDENTS » HANNAH, AGE 8, HOMESCHOOL PROGRAM,  
AND BRIDGET, AGE 5, PASTE PROGRAM,**

The first time Hannah came here she was scared to be someplace without her parents. By the time class was half over, she was begging to come back. She has been coming to homeschool classes for the past seven months. She's more outgoing; before she would not say one word. The bonus is that the whole science center is here for exploration after the programs! One thing I love about LSF is the open plan and it's ADA accessible. The kids can visit different exhibits and I can see them at all times. There's no staircase, which is a challenge with the wheelchair.

Bridget is in a wheelchair and tires easily. I took her to a different homeschool program, and I left in tears because she was excluded a lot. We decided to come to LSF, and now I leave with happy tears. Here at LSF, Bridget is fully included the same way as everybody else. The teacher asks her questions. The students and teachers come to her when she has to be in her chair. It's increased her critical thinking skills and vocabulary a lot.

The girls are more interested in science now. Hannah even made her own puzzles! We go home with plenty of ideas for activities. The LSF Homeschool Program gives us a chance to do hands-on science, which is something we can't do at home. It's hard to set up an experiment for one child. The LSF Educator has expertise and creates a learning environment for a room full of students.

**- PARENTS » ANISSA AND MARK GENDELL**



### FUN FACT

Experiences at science centers during the elementary school years significantly correlate with middle school youth having an interest in science.

# ACCESS FOR ALL

Inspiring curiosity, creativity, and confidence in young minds who need it most.

170

- The number of 501(c)(3) youth-serving non-profits in Lancaster County who can visit the Science Factory for free through our Youth Access Program.

295

- The number of pre-kindergarteners registered for free hands-on science classes in fall 2016.

20

- The number of schools in the School District of Lancaster who can visit the Science Factory for free on field trips.

71

- The number of need-based scholarships given in 2016 for Summer Science Camps and Girls Code Club.

7,279

- The number of sixth graders who have visited the Science Factory for free through the Sixth Grade Science Field Trip program. This program is offered without restriction to public, private, and homeschool students.

100

- The average number of visitors the Science Factory hosts during our monthly Free First Fridays, open to the public from 5-8pm on the first Friday of every month.

5,959

- The number of Cub Scouts and Girl Scouts who have visited the Science Factory for free through 2016.

2,104

- The number of attendees during our free one-day Science is Amazing Festival in 2017.

35

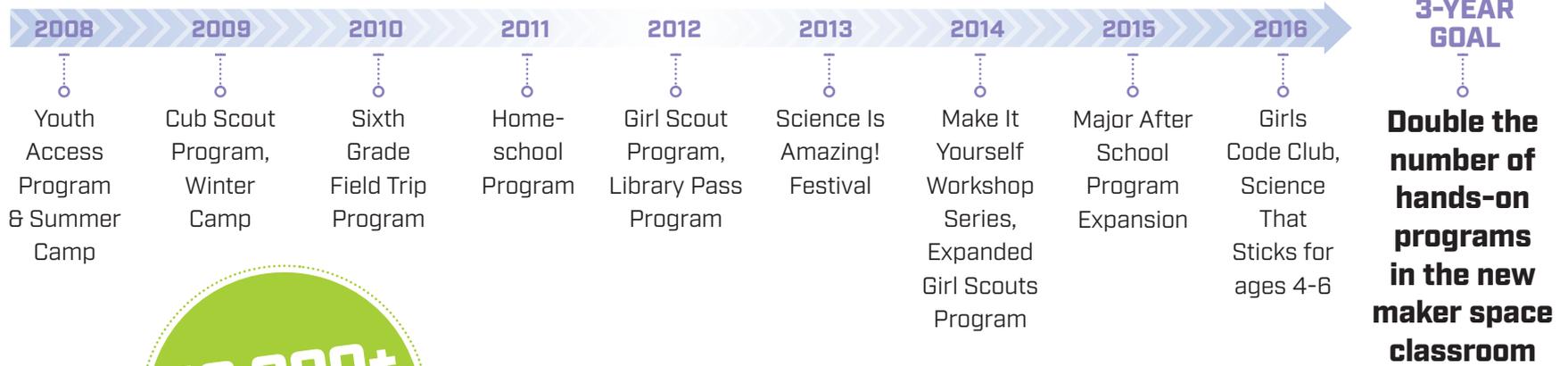
- The number of free round-trip buses offered in 2016. Free science buses are available to all youth-serving non-profits in Lancaster County, all schools in the SDoL, and all public schools in Lancaster County.

5,712

- The number of kids and families who have visited for free by participating in the Library Pass Program, a service provided to the Lancaster Public Library System.



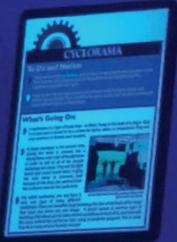
# WE'RE ADDING MORE STEM EDUCATION & ACCESS PROGRAMS EVERY YEAR



**40,000+**  
visitors served through LSF's FREE Access Programs



# SPOTLIGHT: YOUTH ACCESS PROGRAM



over  
**10,000**  
students served  
to date



10

“The YWCA Lancaster’s TechGYRLS program focuses on increasing 9- to 14-year-old girls’ interest in STEM-related fields. The program serves girls of all socioeconomic backgrounds throughout Lancaster County. We have had the privilege of receiving the Science Factory’s Youth Access Program scholarship, allowing our summer camp girls to attend at no cost, which provides our girls the opportunity to explore STEM concepts in hands-on exciting ways.”

» Amanda Kastner, YWCA

“The Youth Services division of VisionCorps — the local organization that services blind and visually impaired individuals — recently visited the Lancaster Science Factory and experienced inclusion at its finest. Each exhibit offered the children a chance to play and discover within their own abilities. The staff committed time to meet with the VisionCorps staff to ensure that all exhibits were user friendly. The Lancaster Science Factory is certainly one of Lancaster County’s best organizations.”

» Anita Lefever, VisionCorps

“What a rewarding opportunity our partnership with the Science Factory provided for my students! Coming from very limited science backgrounds, our students encountered hands-on, experiential learning, giving them the chance to use critical thinking skills in this applied approach to discovery. Enthusiastic, multidisciplinary, kinesthetic instruction encouraged small group dynamics, helping normally reticent students get involved, take risks and lose their fear of “being wrong.” Our students thrived under the direction of a STEM certified instructor who was able to meet the needs of diverse learning styles.”

» Nancy Barton, Director of Education, Milagro House



# INSPIRING TOMORROW'S SCIENTISTS TODAY

After nine years of operation, demand for Science Factory exhibits and educational programs has outgrown our current capacity. Class registrations fill up in less than a day, and LSF is completely booked during field trip season. To meet this urgent demand and ensure all young people in Lancaster County have access to hands-on STEM education, we plan to **expand our 10,000-square-foot facility by nearly 5,000 square feet**, creating more capacity for exhibits, technology, and classes. We will **double our hands-on program offerings** in the **new Maker Space** and outdoor courtyard.

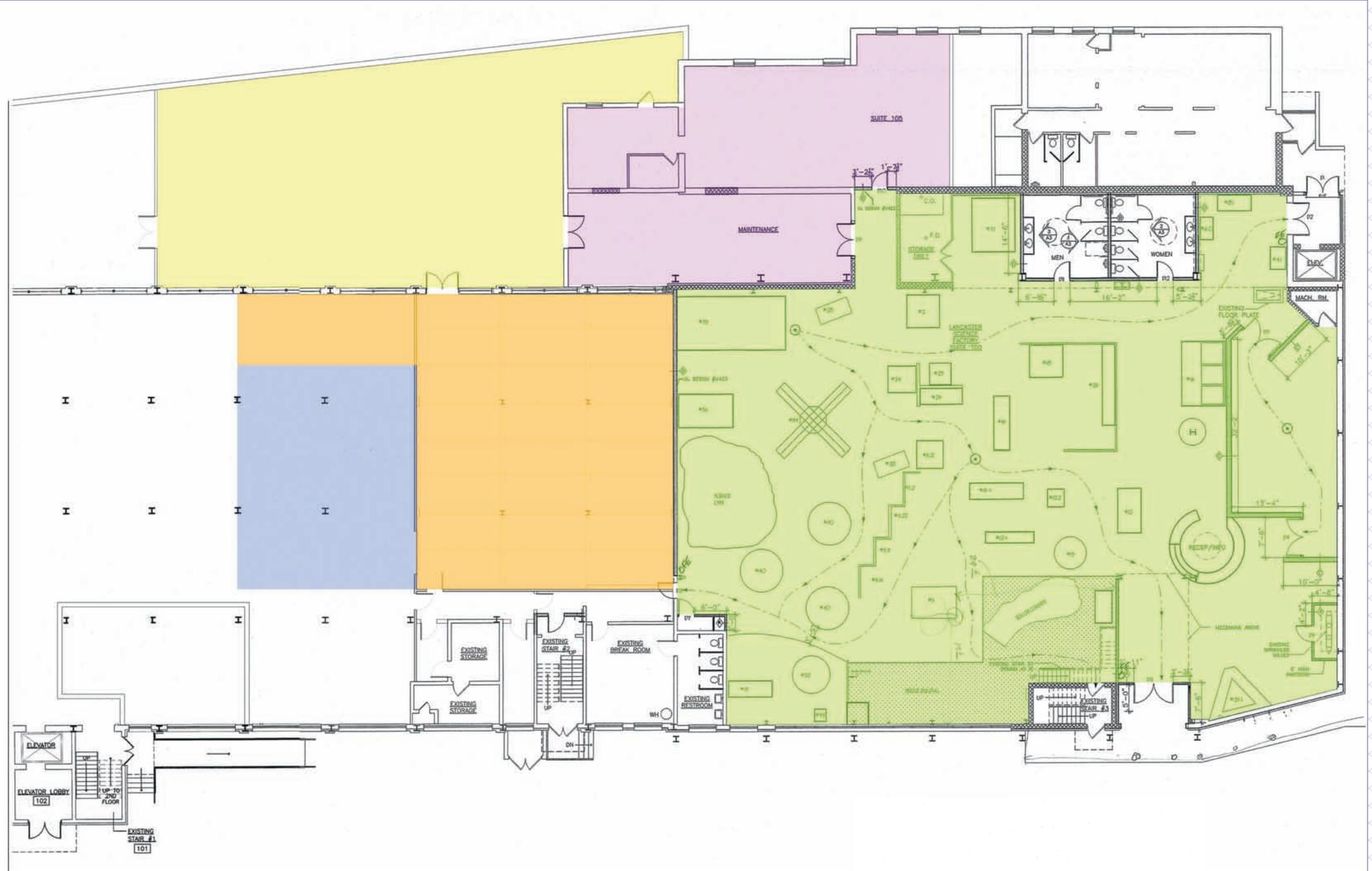
To elevate STEM literacy beyond our walls, we will launch a **Science is Everywhere! marketing campaign** and interactive web portal to alert users of nearby STEM events and resources. In recognition of their importance to our continued success, we will **expand opportunities and amenities for volunteers**. To ensure the longevity and financial sustainability of the Science Factory, an **endowment fund** will be established.

Guided by our mission to inspire youth to think creatively, develop curiosity, and build confidence, the Science Factory will be **Lancaster's Hub of Experiential STEM Learning**, inspiring hundreds of thousands of students in the coming years.

FOLD OUT TO LEARN MORE

# PROPOSED EXPANSION: PLAN DIAGRAMS

-  NEW OUTDOOR TERRACE  
» 3,360 square feet
-  NEW EXHIBIT SPACE  
» 3,010 square feet
-  NEW MAKER SPACE MULTIMEDIA CLASSROOM  
» 1,300 square feet
-  EXISTING MUSEUM SPACE  
» 10,220 square feet
-  EXISTING OFFICE SPACE  
» 1,820 square feet



## SCIENCE SPOTLIGHT

**HONORS PROGRAM STUDENT »**  
**DARIUS BUCKWALTER, AGE 11,**  
**6TH GRADER AT LINCOLN MIDDLE SCHOOL**

**M**y first trip to the Science Factory was very interesting. I had never seen a place like this in my whole life. It's an amazing place to come any time. Build A Dam is my favorite exhibit, also parachute launcher and Rube Goldberg - and I love the camps. I learned that the more momentum something has, the more and faster it will go. I learned about all the different kinds of clouds.

I would not be interested in science if not for the Science Factory. When I was in 4th grade I wasn't that good at science, but after I came here my science grade went up in 5th grade. I'm really good at science now.

I'm interested in engineering, physics, and math. I want to become an engineer when I grow up.



# ELEVATE CURIOSITY CAMPAIGN OVERVIEW

1

## ◦ **ELEVATING OUR EXHIBITS**

- » Update exhibits and expand the Hall of Science
- » Build the “Sky Bridge” Icon Exhibit
- » Create a Maker Space and Outdoor Courtyard
- » Rent and maintenance for 3 years on 5,000 s.f. expansion

2

## ◦ **EDUCATING BEYOND OUR WALLS**

- » Launch a “Science Is Everywhere” marketing campaign
- » Expand Volunteer Opportunities and Amenities
- » Build a Digital Trail System

3

## ◦ **BUILDING FOR THE FUTURE**

- » Establish an Endowment, resulting in sustainable growth and increased access for all children and families.
- » Expanded annual giving over three years



### FUN FACT

Science centers increase visitor understanding of science, and provide memorable experiences that can have a lasting impact on attitudes and behavior.

## SCIENCE SPOTLIGHT

SCIENCE FACTORY VOLUNTEER » SABRINA BYRD,  
11TH GRADER AT LANCASTER COUNTRY DAY

I visited the Science Factory for the first time when I was eight years old. I became a greeter at 11 and a Summer Camp volunteer at 16. I've come here so many times, now I'm not so afraid to talk to people. I learned to become a better communicator, and I'm more open. At school, I volunteer to do science activities with younger kids. And I've seen so many science experiments, at school I say "I already know how to do that!"



A child is climbing a large, complex net structure in a museum exhibit. The structure is made of white netting and is illuminated with blue and purple lights. The child is wearing a blue patterned shirt and dark pants. The background is dark, suggesting an indoor setting.

# ELEVATING OUR EXHIBITS

Launch a rocket. Control the flow of water. Predict the weather. Design your own robot. This is what experiential learning looks like.

The Science Factory has the opportunity to expand its Hall of Science into the adjacent 5,000-square-foot warehouse space. More exhibits and surprises will be found around every corner.

25% of current exhibits will be refreshed to raise the bar on excitement, while maintaining educational integrity and real-world application.

New exhibits will emphasize movement, promote kinesthetic learning, and actively engage the five senses.

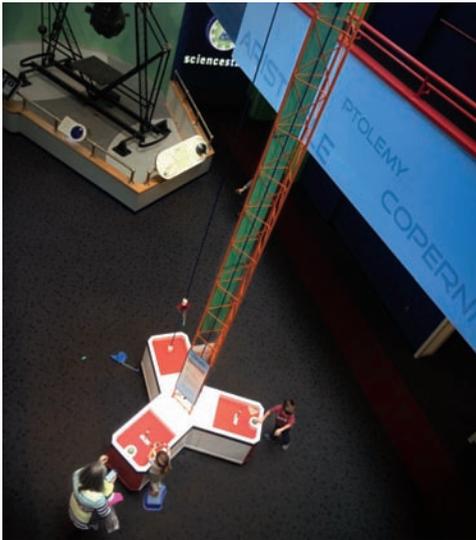
## SUSTAINABLE ENERGY FLOOR

Each tile on the Sustainable Energy Floor converts human movement into energy.

When someone steps onto the floor and starts moving, the LEDs light up and the wall mounted Energy Meter starts to charge. They are encouraged to continue stepping until they reach 100%.

Advanced software connected to the floor makes it possible to combine the output of data and energy with the movement of the visitors.

Kinetic energy is converted to electricity, which powers the floor's LED lights, involving the public in an interactive energy experience.



## AIR ROCKETS

Visitors can create their own rockets, then press a button and watch them soar into the air. Different designs make the rockets shoot straight, corkscrew, or loop. You can experiment with materials to improve the aerodynamics of your rocket.

FOLD OUT TO  
LEARN MORE



## INTERACTIVE TOPOGRAPHIC SANDBOX

A unique combination of sand and sensors. You can create different geographic formations, from mountains to valleys to river deltas to flood plains, and watch the water collect and flow over various watersheds. You simply move the sand around! Learn about topography, geography, natural sciences, watershed, and computer sciences.

## WATER TABLE

Interact with flowing water, channeling, and redirecting it in endless different ways. Investigate how to speed up or slow down flow, create standing waves and eddies, and how water moves around and over obstacles.

The water table includes sluice gates, waterwheels, and a cloud that rains. Water exhibits are by far the most popular exhibits at the Science Factory.







## HALL OF SCIENCE

This panoramic view shows the Sky Bridge at left, a sampling of new exhibits, and new entry at right into the expanded exhibit hall and Maker Space. The clouds are sound-soak panels that will improve acoustics in the Hall of Science.



## NEW OUTDOOR SPACE

The Science Factory's new back patio will be graded, finished, and fenced. Outdoor spaces are more conducive to exhibits featuring water, solar, and wind.

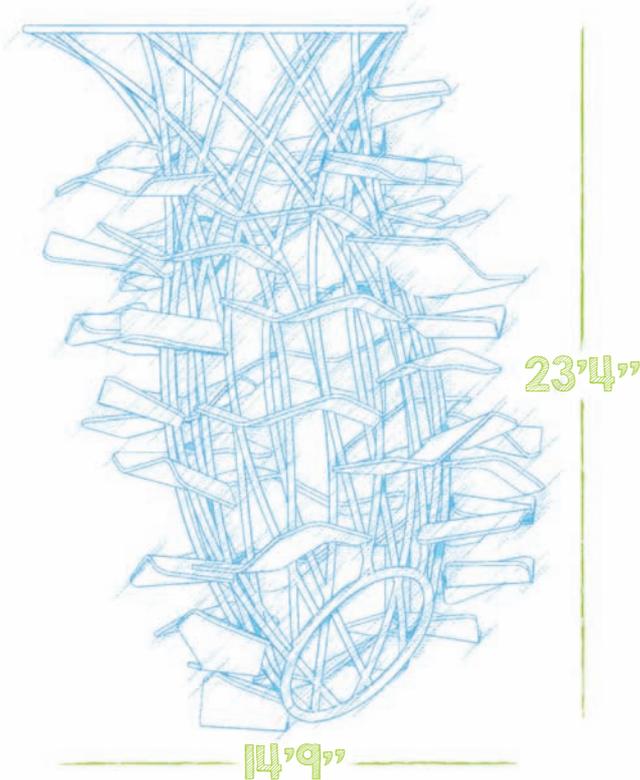




# RAISING THE BAR OF CREATIVITY

Our work involves inspiring both hearts and minds. That's why a key part of our campaign is to inspire wonder and fill young minds with excitement to learn. While the Franklin Institute has its giant heart, the Science Factory will have its own awe-inspiring icon exhibit - the "Sky Bridge."

The Sky Bridge is a feat of engineering designed to occupy the most under-utilized space at the Science Factory—the air! This elegant structure highlights the engineering principles of bridges - tension, compression, and suspension—while allowing visitors to climb two stories high. While immersed in this bridge to the sky, visitors may ask: "What could I build?"



## SKY BRIDGE FACTS:

- » The Sky Bridge does not touch the ground – it is suspended from I-beams on the ceiling.
- » More than 50 students (and adults) can climb the Sky Bridge at one time!
- » World-renowned exhibit designer Spencer Luckey designed the Sky Bridge specifically for the Science Factory. His structures can be found around the world.
- » Icon exhibits draw large crowds, and the Sky Bridge is intended to make the Science Factory a landmark destination. People share photos and tell their friends: "You simply have to see this thing!"



**SKY  
BRIDGE**  
rendering

## WHAT OTHER SCIENCE CENTERS ARE SAYING ABOUT THEIR CLIMBERS

Probably our most popular exhibit, especially for kinesthetic learners. It's very photogenic and great for marketing. And adults are welcome to climb, so there is potential for cross-generational play.

» [Children's Museum of South Dakota](#)

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The look on kids' faces when they turn the corner was and still is, priceless. The climber is one of our most popular experiences.

» [Children's Museum of Houston](#)

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An iconic part of the visitor experience here. It provides a "WOW" moment, and visitors are always taking pictures of their kids.

» [Delaware Children's Museum](#)



# SPACE TO CREATE AND LEARN: MAKER SPACE

A Maker Space is a classroom where you learn by doing. Here, students are active learners. The hands-on use of real tools, materials, and technology is required!

The Maker Space is designed to inspire curiosity. Its classroom culture will value imagination, innovation, and creativity above all else. Students will design, create, tinker, try new things, share ideas, and build confidence in their abilities. This is a space for inventing, making, and storytelling in an audiovisual lab with a green screen. Students will say “I didn’t realize I could make that!”

Workshops and activities will introduce core STEM skills to students aged 4 and up. A head educator and team of volunteers will be available for instruction and coaching. Enjoy a short beginner experience, an hour-long workshop, or discover a passion project that engages for days.

“Kids no longer have the opportunity to make things. The idea of having tools in the basement or a grandfather that had things to work with has long past, but kids are still curious and interested.”

» Steve Jevnell, Founder,  
Leonardo’s Basement, the  
world’s first maker space

## MAKER SPACE

Pictured here is the expanded exhibit hall, which transitions into engineering activity tables and the glass-enclosed Maker Space, full of tools and technology.







FOLD OUT TO LEARN MORE

## WHAT DOES IT LOOK LIKE?

Wide-open areas and abundant table space provide room for messy projects and collaboration. A glass enclosed room will house the more advanced tools and materials for projects.

A spectrum of beginner to intermediate activities will be readily available at all times. Both open-ended activities and project-based challenges will be introduced.

Tools and materials will be visible and accessible. Featured tools and technology will be introduced and rotated throughout the year. Advanced projects requiring special safety gear and training will be introduced in Skills Workshops.

A space that's wired to share: A multi-purpose presentation space with green screen will allow people to gather, plan, communicate, and share ideas. Whiteboards, A/V, Wi-Fi, green screen, and video recording equipment will allow students to tell the story of their invention and share it with the world.

Added flexibility: This space will double the Science Factory's capacity for student programs, camps, and parties. Our current space is regularly booked – this will allow us to run programs simultaneously.

## WHAT KIND OF STAFFING IS REQUIRED?

- » Full-time Educator
- » Year-Round Internships - partnerships established with local colleges, universities, and technical schools.
- » Active Volunteers
- » "Makers-in-Residence" from the community

## WHY AT THE LANCASTER SCIENCE FACTORY?

Our informal learning environment provides an important community bridge between school and home. Anyone is welcome here, from any background, at any skill level. Our non-profit science center and maker space will level the playing field.

The Science Factory's educational programming is already aligned with the maker philosophy: We provide tools, materials, and instructions for students to tinker, build, and create.

We are experiencing high visitor demand and strong interest in maker activities, but space constraints limit our ability to offer these activities to all of our visitors. A permanent classroom space for making and hands-on activities will empower visitors with tools and materials, extending what we already do well.



## What kind of programs and workshops will be offered?

Drop-in activities, daily workshops (45 – 90 minutes), workshop series (3-6 sessions), and week-long camps. Topics will include:

- » Molding + Casting
- » Beginning Woodworking
- » Laser Cutting + Engraving
- » Robotics + Coding
- » Hand Sewing
- » Electronics + Programming
- » Basic Circuitry + Soldering
- » Welding 101
- » Laser Cutting + 2D Design
- » 3D Printing + 3D Design
- » Vinyl Cutting
- » Toy Take Apart
- » Tinkering Studio with Circuit Boards
- » Squishy Circuits / Electronic Sculptures



LSF Board Member  
Ronnie Medlock provides  
an industry tour of High  
Steel to “Bridge Mania”  
Summer campers.

## SCIENCE IS EVERYWHERE

To increase Science Factory visitors and dramatically raise STEM awareness in Lancaster County, we will launch a multimedia marketing campaign in partnership with local STEM businesses, schools, and community organizations to broadcast the simple, yet often overlooked, message: Science is Everywhere!

# LEVERAGING TECHNOLOGY TO ELEVATE EDUCATION

We propose creating a Digital Trail System to deepen interactive learning both inside the Science Factory and outside its walls in our local community. This digital platform will enhance visitors' experience inside the Science Factory by challenging and rewarding them to notice new things, answer questions, and accomplish tasks. They will be exposed to deeper STEM content at different knowledge levels.

After a visitor leaves, the Digital Trail System will enlighten them to a world of STEM opportunities outside the Science Factory. The trail will connect them to educational programs, local events, industry tours, and STEM-related competitions. Its purpose is to guide students toward other STEM learning opportunities and experiences in the community around them.

## EXPAND VOLUNTEER OPPORTUNITIES + AMENITIES

Creating a bridge to the STEM workforce for students age 16 - 21, the new **Science Ambassador Program** will educate students through various volunteer service levels - Bronze (30 hours), Silver (60 hours), and Gold (100+ hours) - and a capstone project. For their capstone project, students will develop a hands-on activity relating to a chosen STEM career for visitors in the Science Café.

In recognition of the essential contributions of hundreds of outstanding volunteers to our ongoing operations, we will upgrade our **Volunteer Lounge** with lockable cubbies, comfortable seating, and a kitchenette.

# BUILDING FOR THE FUTURE

## A foundation for confidence and sustainability

This is a transformational moment for the Science Factory. After growing steadily for nine years, we have reached capacity. Now is the time to meet that demand, and lift up the organization and the community through creation of a special endowment and increased annual giving:

### NEW ENDOWMENT

To ensure that the Science Factory continues to operate in its expanded facility with excellence for many years to come, a new \$750,000 permanent endowment is planned in this campaign. The \$750,000 endowment fund will be established through current campaign gifts and earmarked planned and estate gifts. The annual income from the endowment will be used for programs and facility expenses in perpetuity.

### EXPANDED ANNUAL GIVING

In addition to growing an endowment, the Science Factory campaign leaders will raise special unrestricted operating gifts totaling \$700,000 (above and beyond its regular annual giving and sponsorship efforts) in support of its lease payments, staffing, general operations, and for programs designed to help increase accessibility. These special expendable funds will be used over the next three years to help the organization pay its lease agreements and strengthen its programming while it grows into its new, larger, and modernized space.





### FUN FACT

The presence of a healthy and active science center within a community is a vital mechanism for creating - and maintaining - a scientifically and technologically informed, engaged, and literate public.

## SCIENCE SPOTLIGHT

**SUMMER STEM CAMP VOLUNTEER »**  
**SAMEEHA HOSSAIN, AGE 15, 10TH GRADER**  
**AT PENN MANOR HIGH SCHOOL**

**W**hen I was growing up, I used to come to the Science Factory a lot. Now that I'm older I come back and see the exhibits I loved and the little kids getting interested in it. I'm definitely interested in science, and that's why I jumped at the opportunity to volunteer here.

Summer STEM Camp was my first major volunteering experience, and I wouldn't trade that for anything. My leadership and teamwork skills definitely improved. I was particularly thankful to interact with some of the instructors, like the physician who led a camp. The topics we covered are going to help me in my high school AP science classes.

I'm considering different careers in science and medicine, like a pediatrician. I'm planning to return as a volunteer at Summer Camp again this year!



# WHY THE LANCASTER SCIENCE FACTORY?

## **NOW IS THE TIME TO INVEST IN THE NEXT GENERATION OF SCIENTISTS, INVENTORS, AND DEVELOPERS.**

Locally and nationally, schools struggle to make time for hands-on STEM education, and America is facing a shortage of qualified STEM workers.

Our mission is to inspire and educate while guaranteeing access for all. Each day at the Lancaster Science Factory we welcome hundreds of visitors who are inspired by the possibilities of science. With your support, we will continue to bring immersive STEM education and awareness to the Lancaster community.

### **It's working! And we can't do it without you.**

Gifts at various levels are needed to make this \$3 million capital campaign successful. Pledges may be paid over a period of up to five years, if needed, and may start at a time convenient for you. Gifts may be made to name spaces, honor loved ones, or as memorials to a special friend, business associate, or teacher.

Thank you for considering your important role in the future of our children, science, and the Lancaster Science Factory.

# ADDING UP THE SUPPORT

## ELEVATING OUR EXHIBITS: \$1.25M

- » Exhibits Expansion: \$400K
- » Sky Bridge: \$350K
- » Rent and Maintenance: \$100K
- » Maker Space + Courtyard: \$400K

## EDUCATING BEYOND OUR WALLS: \$300K

- » “Science is Everywhere” Marketing: \$100K
- » Digital Trail System: \$100K
- » Expanded Volunteer Opportunities and Amenities: \$100K

## BUILDING FOR THE FUTURE: \$1.45M

- » Endowment: \$750K
- » Expanded Annual Giving: \$700K

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# TOTAL = \$3.0M

# TABLE OF GIFTS NEEDED

GIFT RANGE	# NEEDED	TOTAL IN RANGE	CUMULATIVE	% OF TOTAL
\$500,000+	1	\$500,000	\$500,000	17
\$250,000+	1	\$250,000	\$750,000	25
\$100,000	4	\$400,000	\$1,150,000	38
\$50,000	10	\$500,000	\$1,650,000	55
\$25,000	20	\$500,000	\$2,150,000	72
\$10,000	30	\$300,000	\$2,450,000	82
\$5,000	40	\$200,000	\$2,650,000	88
\$2,500	50	\$125,000	\$2,775,000	93
\$1,000	100	\$100,000	\$2,875,000	96
UNDER \$1,000	SEVERAL	\$125,000	\$3,000,000	100

\* In some cases, new and increased planned gift provisions (written pledges made through your estate) for the Lancaster Science Factory may count toward the \$750,000 endowment goal of this campaign. Please contact the Lancaster Science Factory for details!



## SCIENCE SPOTLIGHT

**SUMMER INTERN AT THE SCIENCE FACTORY,  
LEAD INTERPRETER OF BAXTER THE ROBOT »  
AMIRR STROJNYK, MECHANICAL TECHNICIAN  
AT DART CONTAINER, ELECTROMECHANICAL  
ENGINEERING MAJOR AT THADDEUS STEVENS  
COLLEGE OF TECHNOLOGY**

My time at LSF taught me how to communicate with people of all ages. I got insight into how other people think – they exposed me to things I never would have thought about in a certain way. In my job, 100% of the time you are working with other people. You need to communicate on an intellectual level – you need to have those skills. You can learn from them, they can learn from you. I was in that scenario at the Science Factory. It really helps when you ask the right questions.



**THANK YOU FOR YOUR CONSIDERATION.**

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[www.nxtcreative.com](http://www.nxtcreative.com)

The background features a series of stylized, light blue clouds of varying sizes. Two banners, one green and one orange, are positioned horizontally across the middle of the cloud layer, appearing to peek out from behind the clouds. The text 'LANCASTER SCIENCE FACTORY' is centered within this cloud layer.

L A N C A S T E R  
**SCIENCE  
FACTORY**

10<sup>TH</sup> ANNIVERSARY CAMPAIGN

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