newscience

NEWS FOR MEMBERS, PHILANTHROPIC PARTNERS AND FRIENDS OF THE SAINT LOUIS SCIENCE CENTER

SUMMER 2023

Board Members

Connect with curiosity.

Dear Friends of the Saint Louis Science Center,

Recently the Science Center celebrated the 60th anniversary of the James S. McDonnell Planetarium. When the Planetarium's doors opened in April of 1963 during the height of the space race, no one could have anticipated what advancements in the sciences the future would bring, but the St. Louis community believed that our region deserved a place to explore the wonder of what today we call STEM—science, technology, engineering and math. Over six decades, more than 21 million people have connected with aerospace, engineering, spaceflight, our universe and more by stepping inside the McDonnell Planetarium.

But as we reflect on the past, we're also focused on the future here at the Science Center and the ways that we can invite even more of our community to explore STEM. Missouri has been identified as an emerging hub for the tech sector, with many hard-to-fill jobs reliant on STEM skills. As a community institution, it's important for the Science Center to help ensure everyone has access to programs that spark an interest in STEM.

In this issue of *NewScience*, I'm pleased to present a look at our new STL (Science and Technology Learning) for All membership program. On page 22, read how this new membership program and partnership with the Urban League is providing local families served by the Urban League with a Science Center membership, encouraging them to visit their Science Center and engage with STEM programming. We are so excited to welcome these families from our St. Louis community with our STL for All membership program.

On page 18, take a look at some upcoming experiences at the Planetarium, including a full-size "twin" model of the Mars *Perseverance* rover and a chance to meet real scientists from NASA, as well as a sneak peek at our upcoming *As the World Turns* exhibit where guests can ask the question, what is geospatial science and how does St. Louis play a part in it?

Meet the latest graduating class of the Science Center's Youth Exploring Science (YES) Program on page 24. After four years of hard work, this year's graduating YES Teens are a testament to the YES Program's legacy of success. Our YES Teens have bright futures ahead, and I cannot wait to see what they accomplish.

We are so grateful to our philanthropic partners, members, and community. Last year, the Science Center served nearly half a million people with STEM education experiences, either inside the Science Center or out in our community. Looking to the years ahead, we couldn't be more thrilled to serve as St. Louis' resource for STEM as we pursue our mission "to inspire everyone to be curious and engaged in science."

Sincerely,

Todd Bastean
President and CEO

To inspire everyone to be curious and engaged in science. Mission of the Saint Louis Science Center

Connect with us for updates, special events and fun science.

Summer Hours

Thursday–Saturday 9:30am–5:30pm
Sunday 9:30am–5:30pm
Monday 9:30am–5:30pm
Closed Tuesdays & Wednesdays

Hours are subject to change; please check ***slsc.org*** for the most current information.

Contact

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St. Louis, Missouri 63110

Membership

Services & Sales: 314.289.4491
slsc.org/membership
memberships@slsc.org
Member Reservations: 314.289.4424

Reservations

Advance Sales & Group Reservations: 314.289.4424

Education

Field trip information:
slsc.org/field-trips

Educator Resources:
slsc.org/educator-resources

Programming information:
education@slsc.org

Events

Host your next private event at the Saint Louis Science Center. Services and catering provided by Saint Louis Science Center Events. For information: 314.533.8179

Accessibility

Complimentary wheelchairs and strollers available in the lobby. Motorized scooters are available for a rental fee. Personal Hearing Assistance Devices available at the OMNIMAX® Theater and Planetarium. Captiview captions devices available for all OMNIMAX® films.

Official Partners

The Saint Louis Science Center gratefully acknowledges the support of our Official Partners.

In This Issue...

Upcoming Member Events

THURSDAY, JUNE 8 | 5:30PM–8:00PM

Member Night: *Mandela*

Tickets available now!

Revolutionary. Political prisoner. World leader. Elder statesman. Symbol of the struggle against oppression. Nelson Mandela was all these things and more.

Nelson Mandela: The Official Exhibition explores the life of the world's most famous freedom fighter and political leader. His epic story is told in a series of experiential galleries from his rural childhood home through years of turbulent struggle against the apartheid regime, to his eventual vindication and final years as South Africa's first democratically elected president. His journey to becoming the "Father of South Africa" and a globally loved and respected figure is explored in new, personal and revealing ways. With exclusive stories from Madiba himself, his family and those that knew him best, visitors will see Nelson Mandela in a new light.

A century on from his birth, what does 'Nelson Mandela' mean today, in a world where inequality and injustice are still rife? *Nelson Mandela: The Official Exhibition* asks these difficult questions and examines his legacy. Mandela's values and commitment to making the world a better place are just as vital now as they were during his lifetime. This is a story we can all learn from and be inspired by.

This walk-through exhibition will feature real artifacts, incredible photography, and videos in Boeing Hall on the 1st floor. Join us for an exclusive member event on June 8 and see it for yourself! Snacks and a beverage will be included in your $8 ticket price.

THURSDAY, AUGUST 10 | 6:00PM–8:00PM

Special Member Event: Cardinals Kids Club Planetarium Night

Tickets available July 20

We had so much fun with the Cardinals Kids Club members last year, we decided to invite them back again! This time, we'll be celebrating the upcoming October eclipse with an evening in the James S. McDonnell Planetarium.

Join us on August 8 for the eclipse-themed Star Show in the Planetarium, as well as solar telescope viewing (weather permitting), a chance to check out the newest Planetarium displays and much more.

A snack, a beverage and an eclipse viewer will be included in your free reservation.

Member Spotlight:

MICHAEL MURPHY

Have you seen a Star Show in recent years? If so, you've likely been in the company of super-member Mr. Michael Murphy, known by our staff simply as Mr. Murphy. Murphy became a member in 2014 and has seen over 1,400 Star Shows in the past eight years alone.

Murphy retired in January and attends the Science Center nearly every Monday and Thursday, although he'll come on Fridays instead when it's a First Friday. On a typical visit, he usually sees four Star Shows, spending about five hours in the star bay. This has given him the chance to get to know our staff well. "I know just about everybody here at the Planetarium," he said with a smile.

When asked what keeps him coming back every week, he replied, "My friends–that's one of them right there!" and gestured to Planetarium Senior Educator Eric Gustafson. He also added that he likes to refer to the Planetarium as his classroom because, as he says, "I learn quite a bit there."

Mr. Murphy attends OMNIMAX® Theater films and special exhibitions, too, but not as regularly as he sees Star Shows. He has also attended public telescope viewed and seen Jupiter and Saturn through the telescope. And, as Star Show Interpreter Allison Vance reminded him, a comet: C2000-22 E3 ZTF, the green comet. When asked what his favorite of our current Star Shows is, he replied, "I like *The Sky Tonight* because it changes every time."

With a record number of Star Shows under his belt, it doesn't seem at all preposterous when he jokes, "That sky is almost mine!"

SUSTAINABLY MINDED:

Zero-Waste Member Events

There are many ways to think about and define zero waste. The definition of zero waste, according to the Zero Waste International Alliance (ZWIA), is as follows: "The conservation of all resources by means of responsible production, consumption, reuse, and recovery of products, packaging, and materials without burning and with no discharges to land, water, or air that threaten the environment or human health."

As an institution, we are thinking of what zero waste means for us and for events. In 2023, you may notice that member events look a little bit different as the Membership team seeks to reduce waste with guidance from the Sustainable Futures Team at the Science Center and in conjunction with our in-house catering partner. This means we are focusing on minimizing food waste and service item waste, as well as diverting any waste from landfills to be either recycled or composted.

What will you notice? One thing you'll see is the use of bins to collect leftover food to be composted. Reusable glasses, plates, and utensils will be used whenever possible and appropriate for food and beverage items. You'll also see recycling stations and help with trash sorting for our guests, and careful attention to the food and beverages served to make sure we are able to reduce waste as much as possible.

Zero waste initiatives challenge us all to consider how items begin, and then move through, their lifecycles. Instead of traveling on a linear path, in which the final step for the item is the landfill, think of the item's path as a circle that keeps the resource in use for as long as possible.

We appreciate the assistance of our members in helping us to test out these new sustainability measures! As always, your support is one of our most valuable resources.

MEET THE TEAM

What our values mean to us.

Playful and Curious

CHRISTINA CARLSON, ASSOCIATE DIRECTOR OF SPECIAL PROJECTS

Play and curiosity are the building blocks of everything we do at the Saint Louis Science Center. Early childhood researcher Kay Redfield Jamison says, "Play is not a luxury, it is a necessity." Play is how we learn about the world as children, and learning through play continues into adulthood. Playful learning helps us think differently and solve problems in new ways! I love the imaginative, playful spaces and programs we create at the Science Center that spark curiosity and help people think more creatively about the world.

Community Focused

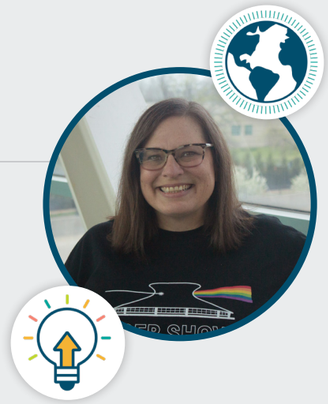
REBECCA NALL, RESEARCH & EVALUATION ASSOCIATE

One that I really connect with is our Community Focused value. The community around the Science Center is at the heart of why we do what we do! Every chance that we get to work closely with the amazing community organizations in the St. Louis area, I feel that we grow bolder and better as an organization. I am always excited to be a part of the team who talks with community members and works to develop new partnerships and strengthen the close bonds we already have. Our Community Science team is fantastic and deserves all the kudos for continuing to bring our programming out into the world, and holding space at the table for all of the amazing community partners they work with.

Lifelong Learners

KERRY STEVISON, MANAGER, STEAM CONTENT

I really like the Lifelong Learner value. Not only is it important for the advancement of STEM, but it is also invaluable to our own mental acuity and equilibrium. Lifelong learning keeps you young.



Inclusive and Welcoming to All, Forward Thinking

LIZZY SHAKE, MEMBERSHIP MARKETING COORDINATOR

St. Louis is an incredibly diverse community, and it's important to me that all its citizens and visitors know that science—and the Science Center—are for everyone. I'm very excited about the steps we are taking to make our museum more inclusive for people who, to give just a couple of examples, are differently abled, struggle with sensory issues or are learning English as a second language. We've begun incorporating ASL interpreters when we can, and we're also working to begin creating audio recordings of each issue of *NewScience* for those for whom eyesight is a particular challenge. There's always going to be more work to do, but our value of being Forward Thinking ensures that we will keep progressing toward inclusivity in all our offerings.

Lifelong Learners

DEB WASHINGTON, MANAGING DIRECTOR, HUMAN RESOURCES

The Lifelong Learners value resonates with me because I was never very good at science; therefore, I didn't like it. I was much better at math. And working here has been a 29-year-long learning experience for me in a way that made me really appreciate science in ways that were never taught to me. I wish I had been taught informally the way we teach it here. We break it down so that anyone can feel comfortable saying, "Hey, I understand this now." Better late than never!

Collaborative

MICHAEL WENSE, DONOR ENGAGEMENT AND COMMUNICATIONS COORDINATOR

The Collaborative value really speaks to me. I think we do our best work and achieve so much more when we tap into the talents of our fellow team members. I can't wait to see all the ways we're able to bring collaboration to life in the Science Center.

WOMEN IN SCIENCE

The Next Generation

It's their world–we're just living in it! These young women are showing us what science, and particularly sustainability, mean to their generation and the generations that follow.

Autumn Peltier

Ms. Peltier first found fame when she publicly scolded the Canadian Prime Minister Justin Trudeau for his policies surrounding the water crisis in the First Nations regions of Canada, saying, "I'm very unhappy with the choices you've made." She was only twelve years old! The incident prompted the United Nations to invite Peltier to give an address on the topic before the UN General Assembly, and later, before the UN Global Landscapes Forum.

However, her water activism began even earlier in her life. At the age of eight, she attended a water ceremony where she learned from her mother that her community had been under a boil order for over ten years. Her great aunt Josephine Mandamin was the Anishinabek water protector until her death in 2019, and she inspired Peltier to take up the cause. Peltier brings attention to the water crises not only in her native Great Lakes area, but in developing nations as well.

Peltier is now 18 years old and serves as chief water commissioner of the Anishinabek Nation; in this role, Peltier represents 39 First Nations in Ontario and is responsible for relaying community concerns to the Anishinabek Council. Working closely with the DreamCatcher Charitable Foundation, they have undertaken one of the largest humanitarian relief efforts across First Nations Indigenous communities that exists without funding or support from the Canadian government, providing short term water access relief to over 500 homes. Peltier was nominated three times for the International Children's Peace Prize and uses social media platforms to share her message with over 200,000 followers.

Photo by: Justin Davey, Global Landscape Forum
Licensed under CC BY 4.0
Autumn Peltier, Chief Water Commissioner, The Anishinabek Nation, speaks at Nature's Last Chance session, Global Landscapes Forum New York City 2019.

Greta Thunberg

Possibly the most famous environmental activist today, Swedish 20-year-old Greta Thunberg learned about climate change at the age of eight. While initially the lack of action surrounding climate change depressed Thunberg, eventually she began channeling her strong emotions on the topic into activism.

Rather than attend classes, Thunberg began spending her Fridays protesting outside the Swedish Parliament, founding a movement that became known as #FridaysForFuture. While most teenagers who skip classes do so for less altruistic reasons, Thunberg did so to raise awareness about climate issues. She used social media to get the word out and quickly found that other members of her generation were also ready to take up the cause. Her Friday protests began in August of 2018; by December of that year, 20,000 students around the world had joined the protests.

Since then, Greta's fame has grown by leaps and bounds. She has spoken at the UN Climate Change Conference, the World Economic Forum, and before English, European and French parliaments. She has gained the attention of several world leaders through her powerful speeches.

Like Peltier, Thunberg's interest in environmental issues is not new in her family; she is descended from Nobel prize-winning scientist Svante Arrhenius, who was first to calculate the greenhouse effect in 1896.

The "Greta effect" is credited with opening the eyes of the world–not just her own generation's but also the previous ones'–to the environmental crises requiring immediate attention.

Photo by Stefan Müller, Fridays for Future
Licensed under CC BY 4.0
Greta Thunberg speaks at the climate strike in front of the Reichstag, Berlin, September, 24, 2021

STEM EXPERT SPOTLIGHT

Erin Jearls is a wastewater engineer and has been with HDR, an engineering design firm, for over 16 years. She received her Bachelor of Science degree in civil engineering from Missouri S&T and has nearly 20 years of industry experience. She has worked on a variety of sewer collection system and wastewater treatment facility projects throughout her professional engineering career. She is an active member of the Missouri Society of Professional Engineers (MSPE) St. Louis Chapter where she first took on an active role facilitating STEM activities through coordination with the Saint Louis Science Center starting back in 2011.

Exploring STEM Opportunities and Seeing the Big Picture

WITH WASTEWATER ENGINEER ERIN JEARLS

Many people may not find the term "sewer industry" glamorous. However, it is a crucial part of our daily lives as we also don't want sewer problems in our home. That's where STEM (science, technology, engineering, and math) and engineers like myself come in. I'm a civil engineer, and I specialize in the wastewater and sewer industry. My main focus is on sewer collection systems and wastewater treatment facilities.

Sewers begin from the point where the privately owned sewer pipe leaves a home to where it connects to the publicly owned pipes known as the collection system. The collection system conveys the sewer flow, or flow that comes from places like toilets, sinks, and laundries, to the wastewater treatment facility (WWTF). These facilities clean the flow to an acceptable level defined by entities like the Environmental Protection Agency (EPA) before being released back to the environment.

Just as with owning a home or a car, our existing infrastructure must continually be cared for as it ages. Technological advancements allow for the improvement of our processes, and what were once acceptable environmental standards 10 years ago may no longer be the same acceptable standards today. We as engineers are constantly working with our clients to maintain and improve those systems and processes we have come to rely on.

When I graduated with my civil engineering degree, I knew I wanted to do something with the environment, and my career started through a connection I had made from technical skills developed during summer internships in college. Skills with hydraulic models—a tool used to help understand the existing sewer system and design for future improvements—were a need in the sewer industry, and it became a skill that, with guidance from a mentor along the way, I continued to refine.

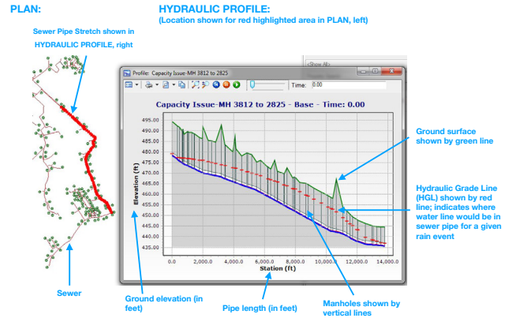
"Seeing the big picture is just as important as being detail oriented."

Hydraulic models were not originally on my list of things to do when I grew up. However, I learned that developing a good model requires understanding the entire system. It brings clarity to the design approach and can be an incredibly valuable tool.

I've been fortunate to work on both the collection system and WWTF sides of the design with some amazing people. With both, it's more than just crunching numbers. It's a puzzle with objectives to define the best system within the given budget and schedule while balancing all aspects of the design and teamwork.

Making one change often has a domino effect on other components of the design. Understanding that is key to efficiently designing.

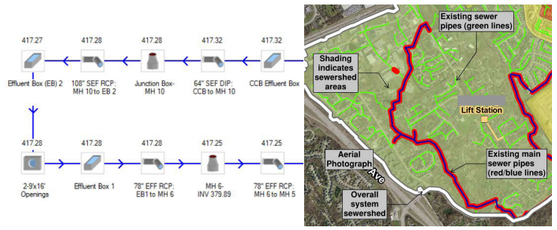
I discovered early in my career that key skills required for most technical careers also include collaboration skills, like being able to write and communicate clearly and being able to develop trusting relationships with both coworkers and clients.



Example Collection System Hydraulic Model Network. Here, sewer pipes and structures such as manholes located between pipe segments are represented by indicating the size, length, depth and material of each and how they are connected to one another—all important aspects and characteristics that define how the flow in a collection system will behave during different weather conditions and critical for using the hydraulic model as a tool for design purposes.

Currently I'm working on the construction phase of a wastewater treatment facility expansion project. We've worked through the design phase, and I now work closely with a construction manager at the project site daily, making sure that the design we've worked on is constructed the way that it needs to be constructed.

One of the most satisfying things in my career has been the opportunity to see a project through the early stages of design to its final, completed construction. This has helped me understand how each decision impacts another and how seeing the big picture is just as important as being detail oriented.



Example Wastewater Treatment Facility System Hydraulic Model Network (left image): here, pipes and structures each are shown as individual components built in a way to mimic proper connectivity with similar characteristic information defined. This model differs from a collection system model in that WWTFs typically have more unique structural components that each need to be defined, whereas collection systems typically have repeated structural components. Tools such as Geographic Information System (GIS) mapping (right image) are often used to help develop these hydraulic models.

"What do you want to be when you grow up?"

When I was growing up, I remember that the predominant answers to the question, "What do you want to be when you grow up?" were generally something like doctor, teacher, or astronaut, all of which are admirable STEM careers. But "engineer" was not in my vocabulary at the time.

I liked math and science and was not a big fan of writing or reading. I was a quiet student who liked puzzles and problem solving, but it wasn't until high school that I started to realize what careers were out there for me.

In college, I started as a biology major, but after my first year I changed direction and eventually landed on engineering. Of course, once that was decided, I still had to pick a particular field of engineering to study. Who knew that engineering was such a general term that can take you in so many directions?

Well, I didn't at first, but I quickly learned that engineering covers a range of fields. Engineering includes aerospace, biological, ceramic, chemical, civil, computer, electrical, environmental, geological, mechanical, and mining—each of them with their own sub-fields. Overwhelming, indeed.

I think back on it now and realize how beneficial opportunities to explore more STEM fields could have been for me. STEM programs help open people's eyes at an early age to technical fields so that by the time they reach those decision making years as students, they're more aware of their interests, capabilities, and opportunities.

STEM provides much more than a faster way of saying "science, technology, engineering, and math." It's a way of bringing excitement to our youth so they're aware of the vast array of technical fields that are so important in today's world. We're talking medical professionals, engineers, scientists, biologists, information technologists, and astronauts, but we're also talking about graphic designers, architects, software developers, photographers, chefs and other modern STEM professions.

Chlorine Contact Basins (CCBs) at the Lower Meramec Wastewater Treatment Facility, shown here at a facility owned by the Metropolitan St. Louis Sewer District, were a part of Jearls' earliest WWTF design experiences. After the flow to the treatment facility has been treated through primary and secondary processes, it is disinfected at the CCBs by means of chlorination and de-chlorination.

"There is a dire need for technical professionals in the future."

As we continue our journey through 2023 and beyond, the outlook for professionals within STEM-oriented and -related careers is impressive. It is a commonality among all sides of the spectrum that there is a dire need for technical professionals in the future.

From my professional experience, I find great value in STEM programs and would urge our youth to take advantage of these programs as much as possible. That includes free events like SciFest that the Saint Louis Science Center offers throughout the year.

To me, exploring STEM is about much more than those individual subjects in school, but how those subjects provide the building blocks to so many exciting career opportunities. We need more innovators, critical thinkers, teachers, designers and builders, all things that so many of our youth are capable of becoming. Allowing for exploration and fun in STEM bridges the gap between technical paths and untapped potential.

STEM programs are amazing opportunities for students and people of all ages to explore and understand the options available while allowing them to discover interests they might not have known they had and ultimately who they want to become.

LIVE ANIMALS:

Live Feed

We are fortunate to have a skilled animal care staff who are supported by partners at the Saint Louis Zoo to ensure that our animals are happy and healthy. Plant and Animal Senior Educator Charlie Hess and Manager of Plants and Animals Hannah Reinhart are primary caregivers for the many creatures, whether feathered, fuzzy, shelled or slimy, and helped us take a behind-the-scenes look at what daily life is like – **from the animals' point of view!**

Borp_is_cool

10 Likes

Today I get to go to the Zoo vet!

Occasionally one of our hens gets sick or injured. We are fortunate to have partners at the Saint Louis Zoo who give their time and veterinary expertise to help our flock stay healthy. This particular girl, affectionately named Borp (short for her breed, Buff Orpington), had a mild infection on the bottom of her foot known as bumblefoot. Our vet friends drained and cleaned the wound, sutured it and wrapped it up tight to heal.

Borp_is_cool

15 Likes

Today I get my bandage off!

Borp has been such a cooperative girl. After removing the bandage with scissors, we were happy with the healing progress just four days later. We are happy antibiotics aren't necessary; just lots of meal worms for good behavior!

HappyHens

13 Likes

Today I get my feeder filled!

Many guests ask when feeding time is, not realizing that feeding time is ALL the time for chickens. A decent flock should always have at least two free choice feed stations. That way weaker birds are still guaranteed a place at the trough even if they are low in the pecking order. We typically refill a hanging feeder twice weekly with "layer pellets" and regularly top off a supplemental feeder built into the coop door as needed. The lucky girls also get daily treats such as vegetable scraps, buckets of weeds and meal worms. This not only diversifies their diet but gives them some enrichment, because even chickens can get bored.

charlie_the_human

13 Likes

Today we get our water tested!

At the beginning of each month, we break out the test tubes and make sure that the water in all of our aquariums is nice and clean. We test for different waste chemicals such as nitrates, nitrites and ammonia, which can be dangerous for the animals if they build up too much.

Our two large coral reef tanks are even more sensitive than the freshwater tanks and require additional testing. These additional tests allow us to measure the salinity and alkalinity of the water, and the levels of magnesium and calcium within the system. These things must be maintained at very specific levels in order to mimic the very special water found in the ocean.

amazingaxolotl

15 Likes

Today we get our aquariums cleaned!

To ensure that waste chemicals like nitrates, nitrites and ammonia don't build up in the freshwater aquariums and make the animals sick, it's important that we keep everything very clean. Three times each week we scrub the glass, clean the sand or rocks at the bottom, then remove about 30% of the old water from each aquarium and replace it with fresh dechlorinated water.

tiny_grogu

15 Likes

Today I get my water changed!

This little tree frog wasn't growing as quickly as his brother, so we built a special temporary terrarium for him in a behind-the-scenes location at the Science Center. This way he can focus on growing big and strong without having to worry about his brother getting all the food. Once he's big enough, he'll return to the display terrarium in the Discovery Room, which has a small pond and a waterfall in it. In the meantime, though, we make sure that he always has access to fresh clean water in this little dish, so that he can stay wet and cool.

notasnake

12 Likes

Today we get fed!

The freshwater aquariums on display in the Life Science Lab are home to axolotls, African clawed frogs and a western lesser siren. These guys are all cold-blooded animals who don't require nearly as much food as warm-blooded animals (like humans), so they only get fed three times a week. Their meals consist mainly of minnows and protein pellets, with the occasional tasty snack like a worm or a small snail or shrimp.

bootsmadeforwalkin

10 Likes

Today we get fed!

Our pink-toed tarantula named 'Boots' likes to eat just one big meal per month, and her favorite food is cockroaches! We grow the cockroaches in this big tub, and when it's time for Boots to eat, we put one of the roaches into her terrarium in the Discovery Room. Boots prefers to hunt when the lights are off, so here's a pic of her meeting her lunch outside of her terrarium!

tankfullofsnacks

12 Likes

Today we harvest snails!

This special aquarium in the Life Science Lab is where we grow extra food for the bigger amphibians. We raise guppies and snails here, both of which are some of the amphibians' favorite snacks! Here, we're harvesting a fresh generation of tasty snails that will feed our axolotls, frogs, and siren.

big_jabba

10 Likes

Today we get fed!

Our Australian Green Tree Frogs love to hunt, so at the beginning of each week we put a bunch of tasty crickets into their terrarium. This allows them to hunt at their leisure throughout the week.

reefdwellers

14 Likes

Today we get fed!

Our two coral reef tanks are FULL of life, and we feed them three times each week. The fish are the biggest eaters, but the invertebrates in the tank benefit from these feedings as well. Any food that gets past the fish and sinks to the bottom of the tank is picked up by our cleanup crew of starfish, urchins, snails and hermit crabs; and the microscopic bits of food that float around afterward will get eaten by our filter-feeding corals and anemones.

charlie_the_human

16 Likes

Today we get our protein skimmer cleaned!

Both of our coral reef tanks have complex filtration systems. An important part of those systems is a machine called a protein skimmer. These skimmers collect excess fish poop and other junk that flows through the tank, which makes it easy for us to remove it all. We clean these skimmers out every other week. It's a dirty job, but it keeps our fish and corals very happy!

frogbrothers

15 Likes

Today I rejoined my brother!

After spending almost three months bulking up in a private terrarium in a staff-only area of the museum, the smaller of our two Australian Green Tree Frogs (nicknamed Grogu) is finally big enough to rejoin his big brother (nicknamed Jabba). They were very happy to see each other again, and they started cuddling right away! You can see them on display during our regular Discovery Room sessions.

JAMES S. MCDONNELL PLANETARIUM

Summer Star Shows

***ECLIPSE* | PREMIERING JULY 2023**

Are you ready to get eclipsed?
October 2023 brings a partial solar eclipse to St. Louis followed by a total solar eclipse in Missouri in April 2024! Packaged with solar viewing glasses, the McDonnell Planetarium's newest live Star Show will prepare you to safely experience the majesty of the last total solar eclipse in the Midwest until 2045.

***Planets of Rock* | ENDING JULY 2023**

Explore the terrestrial planets of our Solar System in *Planets of Rock*!
Join us for an out-of-this-world look at the rocky planets in our Solar System – Mercury, Venus, and Mars. From the earliest ground-based observations to our most recent robotic explorers, discover how knowledge of these worlds shapes our understanding of the Solar System and guides our search for life beyond Earth.

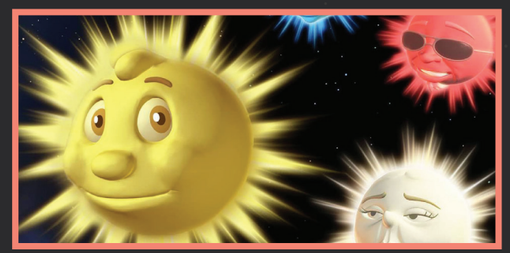
The Sky Tonight

Your sky...tonight.
Relax under the clearest night sky in St. Louis as our skilled presenters lead you on tour of the best the night has to offer. This live show is different every time, so stop back again to discover the changing stars, planets, and other celestial events visible from your own backyard.

Science of the Zodiac

Aries. Virgo. Aquarius.
The 12 constellations of the zodiac hold a special place in our popular culture, but what makes these patterns different than any of the others found among the stars?

Explore how to observe these constellations and how they have shaped humanity's scientific understanding of the sky in *Science of the Zodiac*!



The Little Star That Could

Sometimes, being average can also be special.
A tradition in St. Louis for over 30 years! Developed for our youngest stargazers, experience the timeless story of an average star in search of what makes him special. Along his journey, we will discover the differences between stars, planets, and galaxies in the night sky.

Summer Astronomy Dates

JUNE 4
Venus at Greatest Elongation
When the planet Venus reaches greatest eastern elongation of 45.4 degrees from the Sun, this is the best time to view Venus as it will be at its highest point above the western horizon after sunset. Look for a bright star-like object that does not twinkle.

JUNE 21
Summer Solstice
Summer is here! The Summer Solstice on June 21 marks the start of astronomical summer in the Northern Hemisphere and the Sun's highest position in the sky at local noon. After this date, the Sun will get lower in the sky and our days will grow shorter.

AUGUST 12–13
Perseid Meteor Shower Peak
The annual Perseid meteor shower is usually one of the year's best meteor displays. Produced by debris left in space from comet Swift-Tuttle, upwards of 60 meteors per hour can be spotted from a dark location during the peak nights. In 2023, the crescent moon will set early, leaving darker skies for watching "shooting stars."

DID YOU KNOW?

Touch Mars!

Only around 71,500 meteorites have ever been officially found and identified, but of these, only 349 are confirmed to have come from Mars–and we have one on display in the Planetarium that you can not only see, but also touch.

As there have been no sample returns from Mars yet, these meteorites provide invaluable clues into Mars' geologic history. Scientists can determine if a meteorite comes from Mars by looking at the trace amounts of gases trapped inside glass. This glass formed during the impact that broke the rock from Mars and launched it toward Earth, which means the gases trapped inside are identical to the composition of the Martian atmosphere.

The Martian meteorite on display at the McDonnell Planetarium– identified as NWA 2975 – formed from volcanic material on Mars. Once you've touched the sample on display here, when you look up at Mars in the evening sky, you can say you've touched a piece of that distant planet.

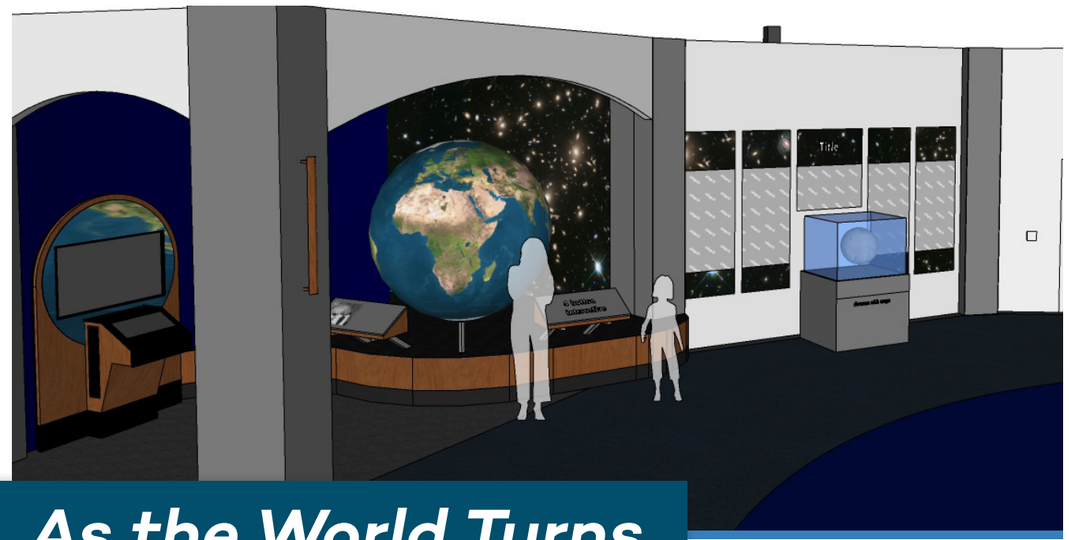
Available now!
Purchase your limited edition Planetarium 60th Anniversary collector pins at our main desk in the front lobby.

NEW

At the Planetarium This Summer

It's a big year here at the Science Center.

Not only have we just celebrated our Planetarium's 60th anniversary, but you never know what changes might happen between your visits. Here are some upcoming additions to our offerings that you won't want to miss!



As the World Turns

OPENING IN SUMMER 2023

Guests will be able to explore an introduction to geospatial data and St. Louis' rich geospatial history in the McDonnell Planetarium's newest exhibit area, *As the World Turns*.

Anchored by the 8-foot-tall Rand-McNally Geophysical Earth Globe, the area will provide a chance to interact with near-real-time satellite images and explore applications of geospatial data. Afterwards, they can learn about mapping projections and how the Aeronautical Chart and Information Center (ACIC), one of NGA's legacy organizations, undertook mapping of the Earth and Moon to aid NASA in the Space Race and humanity's "giant leap."

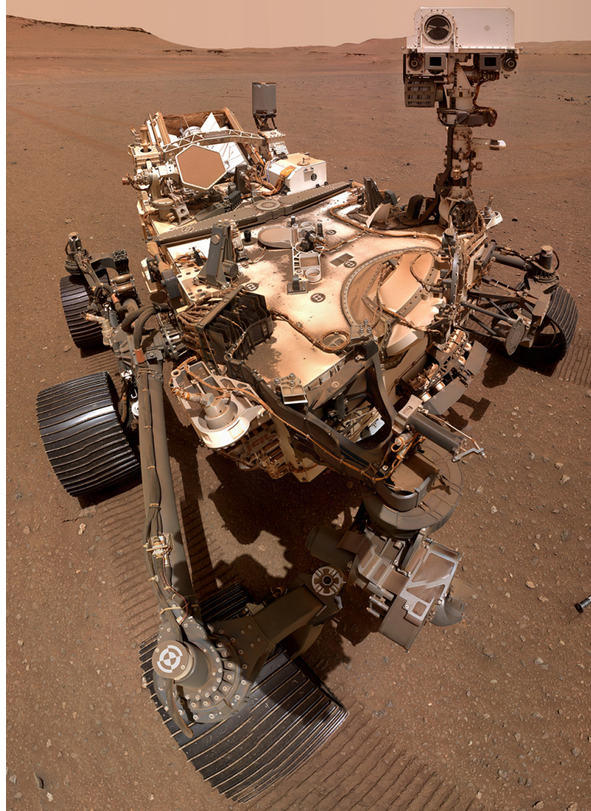
In this illustration, NASA's Ingenuity Mars Helicopter stands on the Red Planet's surface as NASA's Perseverance rover (partially visible on the left) rolls away. ***Credits: NASA/JPL-Caltech***

Perseverance and *Ingenuity*

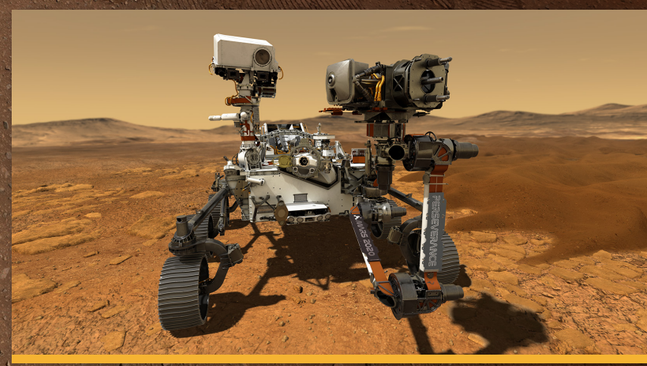
Something BIG—and something small—are about to land at the McDonnell Planetarium!

Perseverance, NASA's newest Mars rover, and the *Ingenuity* Mars Helicopter are hard at work exploring Mars hundreds of millions of miles from Earth, but their full-sized "twin" models will be on display in the Planetarium starting this June. As big as a car, with its camera "head" rising high, *Perseverance's* six-wheeled lookalike will tower over most guests, while *Ingenuity's* double highlights just how small the history-making rotorcraft is.

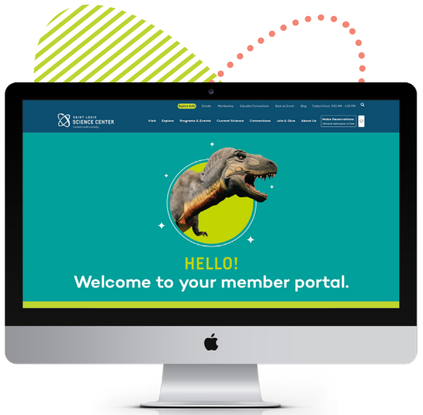
In addition to providing the opportunity to see the full-sized models up close, the Science Center will be welcoming NASA/JPL scientists and engineers to the Planetarium during the weekend of June 23. They will be available to discuss and answer guests' questions about these robotic explorers.



NASA's Perseverance took this selfie of itself looking down at one of 10 sample tubes deposited at the sample depot it created in an area nicknamed "Three Forks." This image was taken by the WATSON camera on the rover's robotic arm on Jan. 22, 2023, the 684th Martian day, or sol, of the mission. ***Credits: NASA/JPL-Caltech/MSSS***



This illustration depicts NASA's Perseverance rover operating on the surface of Mars. Perseverance will land at the Red Planet's Jezero Crater a little after 3:40 p.m. EST (12:40 p.m. PST) on Feb. 18, 2021. ***Credits: NASA/JPL-Caltech***



Have you registered for the Member Access Portal?

Sign up today at *slsc.org/member-registration*.

Have a Yummier Summer

Save room for a picnic in GROW!

The Fermentation Station, located outside the GROW Pavilion, will be reopening for the season on Memorial Day weekend.

The staff will be offering a variety of summertime favorites from the grill and smoker, as well as refreshments like local beer and wine. When you smell what's cooking, you're going to want to stop by!

While you're visiting, check out the grapevines that encircle the space, say hi to Borp and her chicken friends, and take a look around to see what else is in bloom.

SAVE THE DATE | JUNE 17, 2023

Green Living Festival is Back!

Help your family, friends and coworkers live green! The Missouri Botanical Garden's annual Green Living Festival is back in 2023 and will be hosted in a series of pop-up events during a "Summer of Sustainability" at institutions throughout the heart of St. Louis.

Hosted by EarthWays Center of the Missouri Botanical Garden, the festival will let guests explore the links between sustainability and a healthy environment. Our experts will offer tips to make your lifestyle, workplace, community and residence greener.

The pop-up at the Saint Louis Science Center is cycling-themed with a focus on using your bike for transportation, recreation and exercise.

Event highlights include exhibitors, family-friendly activities, workshops and tours.

Join experts at events throughout the summer to dive into a day of learning, exploring and engaging in ideas for sustainable lifestyles.

+ **JUNE 3, 2023**
  Saint Louis Art Museum
+ **JUNE 17, 2023**
  Saint Louis Science Center
+ **JULY 8, 2023**
  Saint Louis Zoo
+ **JULY 22, 2023**
  Missouri History Museum
+ **AUGUST 5, 2023**
  Missouri Botanical Garden

NOW PLAYING AT THE OMNIMAX® Theater

DOCUMENTARY FILM

Five hundred million years ago, life left this blue womb and colonized the land, but we are still intricately linked to the ocean. Our climates, coastlines, ecosystems and economies are tied to the perpetual movement of water between continents. The great ocean currents are the arteries and veins of Planet Earth! This is the story of one particularly fascinating flow–the East Australian Current, a massive oceanic river that stretches the length of Australia's east coast.

DOCUMENTARY FILM

It is a land of mystery and yet what happens here affects every single one of us. With never-before-seen footage, our story brings audiences to the farthest reaches of this wild and majestic continent. It is the coldest, driest and windiest place on Earth with the roughest oceans and yet, weird and wonderful creatures thrive here in astounding abundance. Antarctica is the perfect fit for the Giant Screen.

DOCUMENTARY FILM | OPENS JUNE 16

Not all heroes walk on two legs. Experience the life-saving superpowers and extraordinary bravery of some of the world's most amazing dogs. Journey around the globe to meet remarkable dogs who save lives and discover the powerful bond they share with their human partners. As we discover the incredible abilities of dogs and the astonishing science behind their superpowers, we'll never look at our best friends the same way again!

FIRST FRIDAY

All First Friday events will take place from 5:00pm–9:00pm. Visit *slsc.org/first-fridays* for updates and schedules.

JUNE 2 | **Star Trek**

Star Trek is back at our June First Friday! This time we're celebrating LGBT+ voices in the Star Trek universe and featuring *Star Trek: Discovery*. The evening will include special presentations, trivia, a costume contest and much more!

JULY | **No First Friday**

AUGUST 4 | **Indiana Jones and the Mystery at the Science Center**

We all love a good mystery. On August 4, join Indiana Jones and solve a mystery at the Saint Louis Science Center! The evening will include a building-wide live mystery game, trivia, a feature presentation, and educational activities that will dive into how archaeologists solve the real mysteries of the past.

Did you know? Feature presentations at First Fridays will now include American Sign Language interpretation!

SciFest

SciFest: Play and Creativity Expo

SATURDAY, AUGUST 12 | 9:30AM-5:30PM

SciFest: Play and Creativity Expo is a free, all-day event showcasing how STEM concepts, innovation, play and creativity all go together! Meet, work and play alongside innovative artists, entrepreneurs and STEM experts from the St. Louis region and beyond. Get involved and engage your own creativity and bright ideas! Visit *slsc.org/scifest* for updates on this event!

[STL] SCIENCE AND TECHNOLOGY LEARNING [STL] FOR ALL

Connecting our community with science and technology learning is at the heart of our mission at the Science Center.

Sparking curiosity for STEM—science, technology, engineering and math—helps us better understand our world and unlocks potential and opportunity in the innovators, researchers, healthcare professionals and STEM-skilled workers increasingly needed for the careers of today and tomorrow.

The Science Center is excited to launch our newest initiative to bring the St. Louis region closer to science with our STL for All community access memberships. Our STL for All memberships are a special membership level designed to break down barriers to accessing STEM learning experiences by encouraging families in traditionally underserved and economically disadvantaged communities to visit their Science Center. At the Science Center we believe in the transformative impact STEM can have on our world, our city and the diverse communities who call St. Louis home.

[STL For All] means science and technology learning for everyone.

In Partnership with the Urban League of Metropolitan St. Louis, the Saint Louis Science Center Prepares to Launch the Science and Technology Learning for All Membership Program

Connecting the St. Louis community with curiosity is at the heart of the Saint Louis Science Center's mission to inspire everyone to be curious and engaged in science, and on Friday, February 17, the Science Center invited some special guests from the Urban League of Metropolitan St. Louis to help kickstart an exciting new initiative designed to break down the barriers to museum visitation and spark curiosity for science, technology, engineering, and math (STEM) in St. Louis.

The Science Center's **Science and Technology Learning (STL) for All memberships**, a new level of Science Center membership, are designed to help break down barriers to STEM learning, inviting St. Louis community members from traditionally underserved and economically disadvantaged communities to visit the Science Center and engage with STEM galleries, events, and programming.

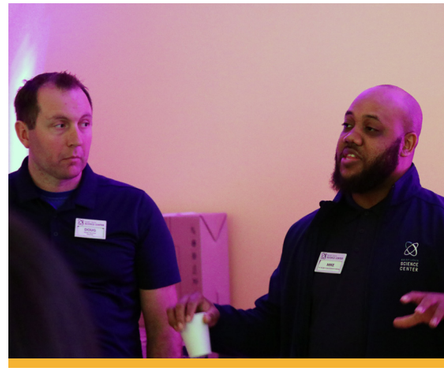
Launching as a pilot program in collaboration with the Urban League—one of the Science Center's more than 60 community partner organizations—the STL for All membership program will offer a Science Center membership at no cost to approximately 700 recipient families served by the Urban League. In the future, the program will scale up to include additional community partners.

Amy Martin, Senior Director of Individual Giving, Membership, and Events, opened the half-day kickoff with an overview of the program, introducing program aides and educators from the Urban League to the new initiative and offering the opportunity to ask questions and provide additional feedback on the program.

Then, guests from the Urban League participated in a building-wide tour highlighting various galleries, activities, and programs available to recipient families. Program aides and educators also signed up to receive their own STL for All memberships, enabling them to experience the Science Center as members to support the development of STEM focused curriculum that will encourage families to visit and engage with Science Center experiences.

> "We're thrilled to be partnering with the Urban League of Metropolitan St. Louis to launch the Science Center's STL for All membership program," said Martin. "Science, technology, engineering and math are fundamental parts of our daily lives and integral to many of the opportunities of tomorrow. The STL for All membership program will help connect St. Louis communities traditionally underserved in STEM learning with accessible science and technology experiences. This new program will help inspire a curiosity for science and develop important 21st century skills like problem solving, collaboration, critical thinking and more."

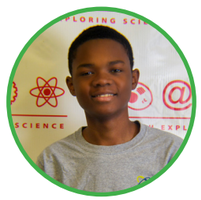
URBAN LEAGUE of Metropolitan Saint Louis, Inc.
EMPOWERING COMMUNITIES. CHANGING LIVES.



The Youth Exploring Science (YES) Program Celebrates the Newest Graduating Class of STEM-Skilled Professionals

Congratulations to the YES Program's latest graduating class! Starting in their freshman year of high school, YES Teens meet regularly online and at the Taylor Community Science Resource Center over the course of the four-year YES Program. In addition to exploring areas like aerospace, agriscience, engineering, integrated medicine and well-being, cybersecurity and more, the YES Teens also help spark the St. Louis community's curiosity for STEM with outreach programs at the Science Center, through our network of over 60 community partner organizations, and at pop-up science events throughout the area. Through the YES Program, the teens also develop the tools for a successful transition into higher education or careers in today's STEM-skilled workforce.

Meet this year's graduating YES Teens!



Walter Dunlap

Walter is a graduate from the YES Media Arts component and previously participated in the YES Engineering and Agribusiness components. He plans to attend Lincoln University of Missouri.

"The reason why the YES Program is important to me is because I got the chance to meet new people with different views, and it helped me open my eyes to a new perspective."

Deron Gipson

Deron is a graduate from the YES Media Arts component. He plans to study Photography and Videography at Saint Louis Community College.

"I am extremely grateful for the opportunities the YES Program provided me."

Synmar Johnson

Synmar is a graduate from the YES Agriscience component and previously participated in the YES Integrative Medicine & Well-Being component. She plans to study Psychology at Marquette University.

"The YES Program helped me find my passion for the things I care about most in life. The different components allowed me to explore areas of science that I wouldn't experience in school. [The YES Program] opened many doors and future career opportunities for me. I am so appreciative of my time at the YES Program, and I can't wait to see how I use what I've learned these four years in my future."

Khamari Smith

Khamari is a graduate from the YES Cybersecurity component. He plans to study Computer Science at Northwest Missouri State.

"One of my favorite memories of the YES Program was working at the stadium and hosting the esports events. It helped build good connections. I believe the YES Program is important because it allows you to find the thing you love to do. It gives you experience that you would never have a chance to do. Because of the YES Program I learned that I wanted to major in computer science for college and that I want to pursue that as a career."

Alonzo Battle

Alonzo is a graduate from the YES Engineering component and previously participated in the YES Aerospace component. He plans to pursue a degree in Business Administration / Education.

Ja'Mez Brown-Craig

Ja'Mez is a graduate from the YES Aerospace component. He plans to pursue a degree in engineering at Southeast Missouri State.

Taiylor Carr

Taiylor is a graduate from the YES Integrative Medicine & Well-Being component and previously participated in the YES Cybersecurity and Aerospace components. She plans to study Nursing (with a minor in Spanish) at North Carolina A&T.

Chloe Conners

Chloe is a graduate from the YES Aerospace component. She plans to study Forensic Science (with a minor in Business Management) at the University of Memphis and join the Air Force ROTC.

Jeremiah Cook

Jeremiah is a graduate from the YES Entrepreneurship component and previously participated in the YES Aerospace and Agribusiness components. He plans to attend the University of Memphis to study Business Administration.

Jaden Furman

Jaden is a graduate from the YES Cybersecurity component. He plans to study Computer Science for his career as a Hardware Engineer.

Omar Hassen

Omar is a graduate from the YES Aerospace component. He plans to pursue Medicine at St. Louis Community College - Forest Park.

Cyril Holloway

Cyril is a graduate from the YES Agriscience component and previously participated in the YES Media Arts component. He plans to study Accounting at McKendree University.

Joziah Ivy

Joziah is a graduate from the YES Cybersecurity component. He plans to pursue Computer Science / Business at Missouri S&T.

Zakiya Jackson

Zakiya is a graduate from the YES Integrative Medicine & Well-Being component and previously participated in the YES Cybersecurity component. She plans to pursue Theatre at either Florida Memorial or Howard University.

Paulette Lymore Townley

Paulette is a graduate from the YES Entrepreneurship component and previously participated in the YES Integrative Medicine & Well-Being and Agribusiness components. She plans to study Business Administration / Marketing at either Webster University or Fontbonne University.

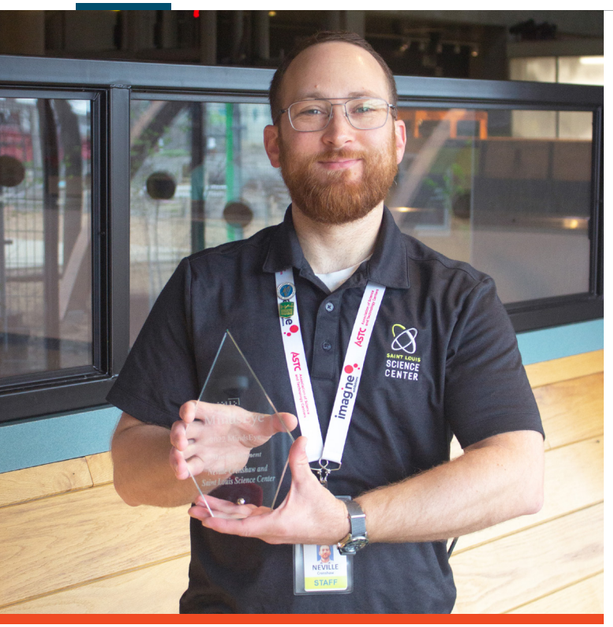
Kiaira Merrill

Kiaira is a graduate from the YES Entrepreneurship component and previously participated in the YES Media Arts component. She is deciding which college to attend and plans to pursue Business Administration/ Fashion Design.

Show your support for the YES Program's next graduating class.

For 25 years the Youth Exploring Science (YES) Program has created a legacy of success by working with underserved teens from the St. Louis area throughout their high school years to help prepare them for in-demand STEM careers of the future.

Make a gift and help inspire the next generation of YES Teens. ***Visit donations.slsc.org/yes*** or **scan here**.



The Science Center's Special Exhibition Team Receives Mission Moment 2022 Award from MindsEye

The Science Center's Neville Crenshaw, manager of special exhibitions and featured experiences, and team were awarded the Mission Moment 2022 award from MindsEye on March 1. The award recognized the work from the Science Center team to make 2022's *HOCKEY: Faster Than Ever* special exhibition more accessible for guests who are blind or partially sighted.

Crenshaw—along with Kaylia Eskew, supervisor of special exhibitions, who helped develop the program—and the team were able to put together a fun, engaging, hands-on experience. During the exhibition's time at the Science Center, the team hosted hockey players who are blind or visually impaired for a tour of the special exhibition, and they used blind-detectable hockey pucks to play with the interactive experiences found inside.

MindsEye is a nonprofit organization dedicated to serving people of all ages with visual disabilities in the St. Louis region. The organization's donors and volunteers help people with visual impairments by making news and information, arts and culture, and sports and recreation accessible to everyone.

In the award notification, MindsEye said, "MindsEye would like to honor you and the Science Center team for the amazing work you did to make *HOCKEY: Faster Than Ever* more accessible to visitors who are blind or partially sighted. You went above and beyond to make the exhibit not just work but really be a fun and worthwhile visit."

Photo Credit: Harmony Cooper, YES Teen | Media Arts Component

YES Teens Explore the Intersection of Science and Transportation

With MODoT and Future64

On Saturday, February 18, teens in the Youth Exploring Science (YES) Program had the opportunity to meet and learn from special guests from the Missouri Department of Transportation (MODoT) and their Future64 project.

The Future64 project is a Planning and Environmental Linkages (PEL) study that looks to evaluate the current conditions and future community needs for the future of the I-64 corridor between Kingshighway and Jefferson.

During the day, nearly 80 YES Teens participated in a presentation from Future64 team members Jennifer Wade, a civil engineer, and Shaun Tooley, project manager for Future64. After presenting the Future64 project, Wade and Tooley talked about the importance of the project, what goes into becoming a civil engineer, and the types of STEM careers available at MODoT.

Photo Credit: Harmony Cooper, YES Teen | Media Arts Component

As part of the presentation, the YES Teens participated in a signal timing exercise where they were challenged to put on their engineer hats in order to plan out how to run a busy four-way intersection.

YES Teen Harmony Cooper from the Media Arts component captured photos of the day.

Learn more about the Future64 project at ***future64.com***.

THE CAROL B. AND JEROME T.

LOEB PRIZE

FOR EXCELLENCE IN TEACHING SCIENCE AND MATHEMATICS

For 28 years, The Loeb Prize has honored outstanding science and math educators in the Saint Louis area that demonstrate a passion to inspire learning.

Amanda Thouvenot, from Hoech Middle School, was awarded the Carol B. and Jerome T. Loeb Prize for Excellence in Teaching Science and Mathematics at an event celebrating the finalists at the Planetarium on May 18th.

This year's event also honored Dawn Johnson, who teaches at Cor Jesu Academy, as the second place honoree. Other finalists included Nora LaFata from Lindbergh High School, Kevin Rudzinski from St. Paul's Lutheran-Des Peres, and Jaclyn Zieger from Valley Park Middle School. All finalists received cash awards.

"This year's nominated teachers are an extraordinary group of highly qualified and dedicated educators. They are masters of their subjects, technologically savvy, innovative in their classrooms, and consummate professionals. It is most rewarding to be able to recognize these outstanding teachers of tomorrow's STEM leaders," said Carol Loeb, a math teacher for 53 years, who along with her husband, the late Jerome T. Loeb, established the Loeb Prize in 1995 in partnership with the Saint Louis Science Center. Carol Loeb also serves on the Saint Louis Science Center's Board of Trustees.

"We are proud of the longstanding partnership with the Loeb Family in recognizing and rewarding outstanding teachers dedicated to STEM education," said Todd Bastean, president and CEO of the Saint Louis Science Center. "The Loeb Prize is one of the many ways we honor educators who share the mission of the Saint Louis Science Center–to inspire everyone to be curious and engaged in science."

2023 Loeb Prize winner
Amanda Thouvenot, Hoech Middle School

"Doing science in hands-on ways enhances student performance tremendously; it not only gets students excited and passionate about STEM, but also gives students who otherwise struggle a hands-on look at what these big concepts are like on a small scale."

– AMANDA THOUVENOT,
2023 Loeb prize winner

"She is the one that has been there for all of us the most...she is way more than just a teacher to me. She is the best person I have ever met."

– FERNANDA ITURRIETA,
Student

SAINT LOUIS SCIENCE CENTER

ROAR

ROAR Team Comes Roaring Back This Fall

While the ROAR Select high school students play their hearts out this summer, our esports staff will be preparing to welcome back the younger students in the fall when the full range of ROAR team opportunities return.

If you enjoy playing Super Smash Bros., Rocket League, or Fortnite competitively, then the Saint Louis Science Center ROAR is for you! Our ROAR team will compete against other gamers, including particpants from the Wentzville Parks and Recreation Department, through local and national platforms in partnership with the Gateway Region YMCA as well as the YMCA in Texas.

Participants will be provided with in-person esports education and practice on Mondays each week. All competitions will take place virtually, with players competing at home once a week on Tuesdays, Wednesdays, or Thursdays. Science Center staff will be available for troubleshooting during competition days. Competitors must have their own equipment, a reliable internet connection, and updated versions of the game.

Do you want to compete on the team without the in-person requirement on Mondays? ROAR Virtual has all the benefits of the full ROAR participants, just without access to the Monday onsite practices or education.

*NOTE THAT ALL COMPETITORS SHOULD HAVE AN ACCOUNT ON DISCORD.

Members receive discounts on ROAR enrollment costs. Visit ***slsc.org/esports*** for more details.

SAINT LOUIS SCIENCE CENTER

Esports

Rent Our Esports Arena!

Our esports arena can be all yours during a private session! Bring your group out to enjoy the luxuries of high-end gaming. We have everything you need, including experienced staff to make your event memorable. With 20 gaming PCs and 8 Nintendo Switches, we can customize the event to include a tournament or just for casual gaming with your party. This experience is perfect for groups looking for team-building opportunities or celebrating a special occasion. All ages are welcome and encouraged to participate in our program. Our experienced staff can also discuss the technologies, software, and processes found in the gaming and esports industries.

Cost

+ 1st hour – $200
+ 2nd hour – $150
+ 3rd hour – $100
+ Each hour after $50

People

Up to 30 people
(Not all games are available for all 30 people)

Equipment

+ 20 Gaming PCs
+ 6 Xbox Consoles
+ 8 Nintendo Switch Consoles
+ Shoutcasting Setup

We can assist with streaming your event online!

Games

+ Super Smash Bros
+ Mario Kart
+ Just Dance
+ Fortnite
+ Rocket League
+ Apex Legends
+ Valorant
+ League of Legends
+ NBA 2K
+ Madden
+ Forza 7

Food and Beverage

Food and beverage options available for an additional cost

Availability

Thursday through Monday from 9:30a.m. to 5:30p.m.

Want a full educational program, as well? Contact us using the form at the bottom of this page: ***slsc.org/event-overviews/esports-events/***

Play Golf. Support the Saint Louis Science Center.

Sign up to be part of the Science Center's 10th Annual Golf Tournament benefiting STEM Programming.

Thursday, October 5, 2023
Norman K. Probstein Golf Course in Forest Park

The Science Center is not only celebrating the 10th anniversary of our annual golf tournament but also 60 years since the James S. McDonnell Planetarium opened its doors. These two momentous anniversaries provide a unique opportunity to partner with the Science Center to continue inspiring guests both at the Science Center and throughout the St. Louis region to learn about astronomy, space, STEM and more. To this day, the McDonnell Planetarium continues to take its guests to the stars, galaxies, Milky Way and beyond!

Thank you to our returning sponsors!

Sponsor now at ***donations.slsc.org/sponsorship***.

**List current as of May 1*

Want to Play?

$175 per person
Entry fee includes:

+ 18 holes of golf with cart, lunch and beverages
+ Tournament t-shirt
+ Skills competitions
+ Raffle drawings
+ Outdoor awards reception & cocktail hour

Register to play at ***slsc.org/golf***.

Or contact Christine Cox, manager of sponsorship and promotions, at ***christine.cox@slsc.org*** or **314.289.4499**.

Don't wait! Golfers' names and t-shirt sizes due by Monday, **September 27, 2023**.

60

60TH ANNIVERSARY

JAMES S. MCDONNELL PLANETARIUM

Celebrate the 60th anniversary of the McDonnell Planetarium and help connect St. Louis with the stars and STEM education for the next 60 years and beyond.

Visit ***slsc.org/donate*** or scan the QR code to make a gift to the **Science Center's Curiosity Fund** in honor of the James S. McDonnell Planetarium's 60th anniversary!

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NewScience is always GREEN

The Saint Louis Science Center is a committed steward of the environment. We are proud to continue to offer the digital and interactive version of *NewScience* at *slsc.org/newscience*. If you would like to opt for a sustainable choice and only view *NewScience* digitally, please send an email to us at *memberships@slsc.org* to no longer receive a paper subscription.

You can also send us an email if:

- Your email address has changed
- Your name is misspelled
- Your address is incorrect