We are all part of the story.

ONE BUILDING | CELEBRATING 30 YEARS
Connect with curiosity.

Dear Saint Louis Science Center Friends,

It’s an exciting time here at the Science Center as we head into the fall. It’s been a little over a year since we welcomed our community back inside our doors after closing during the pandemic, and it’s been wonderful to see families and people of all ages coming back to discover that, whether learning the role of pollinators outside in GROW or even listening to a singing Tesla coil at Energy Stage, science is all around us.

Coming up, there’s another important date on the horizon: This November, the Oakland Building celebrates its 30th anniversary. Three decades ago, we built a bridge to science and a new home for the St. Louis region to explore the ever-growing world of science and technology. Today, we’re as dedicated as ever to our mission “to ignite and sustain lifelong science and technology learning.” As always, I want to give special appreciation to our members, philanthropic partners and community for your support. From the galleries and educators that greet our guests to our partnership with the City of St. Louis Department of Health making the science of viruses and vaccines easier to understand, you are the element that makes delivering our mission possible.

Inside this issue of NewScience, we’re thrilled to share a look back over the past 30 years. This special collection of photos, memories and pieces of Science Center history will delight you and maybe even inspire you to share your own memories of the Science Center through the years.

In Science Today, read a tale of two black holes and how these interstellar objects are studied. Then, learn more about Discover Science with Me, a program for our youngest STEAM learners, and why early childhood learning is so important. Get a glimpse of our Planetarium Tunnel exhibit, Outbreak and Mission Control the Spread, and then see a sneak peak at what’s coming next. Plus, learn the latest updates on First Friday, our Planetarium star shows and more.

Finally, I encourage you to take a look at some of the incredible stories from our Youth Exploring Science (YES) Program, including three amazing YES Teens competing in the Network for Teaching Entrepreneurship (NFTE)’s Regional Competition, the YES Program’s community activities with the University City School District and Summertime Science’s Outbreak. An amazing YES Teen, is celebrating with your little scientists. Find out how Discover Science With Me celebrates its 30th anniversary.

This special collection of photos, memories and pieces of Science Center history will delight you and maybe even inspire you to share your own memories of the Science Center through the years.

As I said, science is all around us. So, who’s ready to explore?

Sincerely,

Todd Bastean
President and CEO

To ignite and sustain lifelong science and technology learning. Mission of the Saint Louis Science Center

Features

Anniversary

On November 2, we will officially celebrate the opening of the 5050 Oakland Building. In honor of this anniversary, we take a look at a time capsule that was created and buried by the Science Center team in the late 80s.

Membership Matters

Learn about the new benefit we are launching for you—the Member Access Portal. This new site will be your one-stop shop for educational content and announcements. Plus, reflect on member events we have had this past year.

Science Today

Take a leap into a black hole with a look at what we can learn from these intergalactic objects. Marco Cavaglia, Professor of Physics at the Missouri University of Science and Technology, takes us on a journey of physics, astrophysics and the unknown.

Gallery Spotlight

September 21st marks the Worldwide Day of Play and our early childhood program, Discover Science With Me, is celebrating with your little scientists. Find out how learning through play makes a huge impact on the development of our young learners.

Community

The Youth Exploring Science (YES) Teens reflect on their summer education and the Summertime Science series that took them out of the classroom and into the community.

Engage with NewScience in a more interactive way. If you see this icon, head to slsc.org/newscience for extended digital content.
Frozen in time.

As you may know, this year marks the 30th Anniversary of the 5050 Oakland Building (when the Saint Louis Science Center built a bridge across the highway to expand its footprint). Before then, the James S. McDonnell Planetarium served as the sole location for science and technology learning since 1963. It wasn’t until July 20, 1985 that we coined our hands-on museum the Saint Louis Science Center. As our attendance increased, a bigger space was needed and plans were created for the Science Center’s new building at 5050 Oakland Ave.

ToFall 2021

To preserve and capture the official opening of the Science Center in 1985, staff decided to create a time capsule that coincided with the passing of Halley’s Comet in March 1986. The idea was to seal the capsule when Halley’s Comet appeared, and then reopen it in July 2061 when the comet made it back to Earth after its 76-year journey around the solar system. While we don’t know what the time capsule contains, we do know that children were invited to write letters to their grandchildren who may see Halley’s Comet during its next visit. Those letters and the other materials were placed inside the capsule on April 13, 1986.

While we celebrate the 30th Anniversary of the Oakland Building, we also honor 36 years of officially being called the Saint Louis Science Center.

1986 Time Capsule
Copper plated steel box, sealed shut
Saint Louis Science Center’s Archives

To Blast from the Past
The Day We Opened To The Public.

The grand opening of the new Saint Louis Science Center on November 2, 1991 was an exciting day for all.

Even with near-zero wind chills, hundreds of well-wishers, community supporters, donors and the Science Center’s Max the Robot witnessed the official ribbon-cutting. Brief remarks to the assembled guests outside the building were followed by applause as the ribbon was cut and the public entered the new Science Center for the first time, becoming the 7th largest science center in the U.S. and the 15th largest in the world at the time.

On the grand opening day, thousands of St. Louisans and out-of-town guests showed up to experience new exhibits, shows and activities. The most popular areas were our ever iconic roaring T.rex and the bridge crossing Interstate 64 and its radar guns.

The OMNIMAX® Theater, Alien Research Project and Discovery Room all sold out quickly. Early hands-on testing of the exhibits by special guests triggered some alterations to the Science Center’s galleries before the public experienced them.

Prior to opening to the public, the exhibits department installed more than 500 new exhibits during a seven-month period in 1991. To create these exhibits, 40,000 square feet of exhibits were shipped in and installed with about half coming from other parts of the country. The galleries incorporated what were coined the Four Ps: primary experience (learning by doing); primary object (seeing the real thing); primary source (hard-core science information); and a positive learning environment.

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Upcoming Member Events

Catch up with us virtually or in person at these exclusive member events. We’ve got so much in store for you.

MEMBER MISSION
WORLDWIDE DAY OF PLAY
10am, 12pm & 2pm | (5 groups of 5 or less per time slot)
For details about this event, turn to page 14.

VIRTUAL MEMBER CHAT
CLIMATE CHANGE
View this prerecorded conversation about climate change, its impact on our world and the ways we can come together as a community to address it.

Member Access Portal Coming Soon

New Membership Benefit!

We are excited to announce that we are working on an easier way for you to access information, science content, events and announcements—the Member Access Portal. In the near future, you will be invited to join this online membership website dedicated exclusively to our members. The Member Access Portal allows you to learn about upcoming events, view virtual science content and catch up on members-only announcements that you may have missed—all in one place. This tool is a free benefit for members that is focused on keeping you connected to your membership community.

Look out for your exclusive invite soon.

Gift memberships & member gifts

Gifting a Science Center membership unlocks a full year of benefits for someone you care about, whether they’re a budding paleontologist or a lifelong learner.

Plus, a membership purchase includes a limited edition, members-only Science Center plush dinosaur.*

*While supplies last.

VISIT slsc.org/memberships to gift a membership today.

You make our member events memorable.
As you are reading these words, a catastrophe is about to happen. Somewhere in the deep recesses of the Universe two black holes are swirling in space at almost the speed of light. In a few seconds they will collide and merge. Most of their energy will be trapped in a region of space from which there is no way out. However, some of it will escape the Armageddon, causing space to deform and time to warp over a cosmic expanse of billions of light years. As amazing as all this may sound, perhaps the most incredible aspect of this story is how we came to understand their physics and how we built instruments capable of detecting these cosmic collisions. Black holes are no match, even for human ingenuity!

Like many stories of human ingenuity, the tale of these black holes begins in a time of tragedy. While in 1915 many were coping with the madness of World War I, north of the Alps, two German physicists were working the math of what, 50 years later, would become known as black holes. Albert Einstein had just published his Theory of General Relativity telling the world that space and time can be molded like rubber. Gravity is not a force, but the effect of the curvature of “space-time.”

Unbeknownst to both, the Schwarzschild solution would spur decades of theoretical studies and astrophysical observations leading to one of the most astounding discoveries in science—black holes.

Information provided by Marco Cavaglia, Professor of Physics at the Missouri University of Science and Technology.

What is a black hole?

A black hole is a region of space where gravity is so strong that nothing—not even light—can escape from it. We call this region of space “trapped.” The trapped region is separated from the rest of the universe by a surface called the event horizon. The event horizon of a non-rotating black hole has a round shape, like a sphere. Just like the Earth has a gravitational pull and mass, so does a black hole.

Think of what might happen if we could take the Earth and compress it into the size of a marble to concentrate its mass and gravitational pull. Concentrate that pull enough so not even light can escape, and you have a black hole.

The size of the hole is measured in terms of its Schwarzschild radius—the larger its mass, the larger its radius. For a black hole with the mass of the Sun, the Schwarzschild radius is approximately 2 miles. That means if we could compress the four nonillion pounds of hydrogen and helium that make up the Sun in a region of space 2 miles wide, that would create a black hole.

Can you travel into a black hole?

What would happen if you did?

Once an object crosses the event horizon of a black hole, there is no way back. The gravitational field of the black hole warps space-time so strongly that an infinite amount of energy would be required to overcome its pull. One can imagine a black hole as a “waterfall of space-time.” No matter how fast you try to swim outward, the inflow of gravity pulls you back. So, if you were to encounter a black hole, would you be doomed? Not so fast! It depends how close you get.

A common misconception of black holes is that they suck in everything around them. If we replaced the Sun with a black hole of equal mass, the Earth would continue on its orbit as if nothing had happened. However, the closer you get to the event horizon, the more difficult it is to break free from its gravitational pull.

Even if it is theoretically possible to get close to a black hole and come back to tell about it, it may not be a good idea to do so. If you were to dive headfirst into one of these cosmic monsters, the black hole would pull on your head more than on your feet. This could lead to what physicists call “spaghettification.” If a black hole with the mass of the Sun were located at the Science Center, a person located 100 miles away in Rolla would experience a pull between their head and feet greater than 10,000 times the force due to Earth’s gravity. That would certainly be very uncomfortable!

Although it may seem counterintuitive, the larger a black hole is, the flatter its surface, and the weaker its local gravity. Supergiant black holes, weighing millions of times our Sun, like those residing at the center of many galaxies, would not cause the same degree of spaghettification as smaller black holes. In other words, “small” black holes could turn unsuspecting guests into spaghetti, but supermassive black holes would not.
Since no information can be received from the interior of a black hole, we have no way to know what lies inside. Moreover, the equations of General Relativity break down at the center of the hole. It is likely that General Relativity must be extended or modified, but after 100 years we still don’t know how.

While we cannot say for certain what lies inside black holes, General Relativity and astronomical observations show us what happens on the outside. The closer to a black hole, the slower time flows as seen from far away. Therefore, nothing can be seen crossing the event horizon by an outside observer. However, any matter present around the black hole heats up as it falls onto the event horizon. This allows astronomers to infer the presence of the black hole through the emission of highly energetic light, such as X-rays.

Two years ago, the Event Horizon Telescope produced the first ever image of the “shadow” of a supermassive black hole located at the center of M87, a galaxy located about 50 million light years from Earth, on the surrounding accretion disk. Observing the shadow of an object is not the same as observing the object itself. To be sure that what we observe is really a black hole we must prove an event horizon is present. Black holes are objects made of gravity, so in order to “see” the event horizon we have to use gravity rather than light. General Relativity tells us that if we bump a black hole, it will emit gravitational waves. Much like a struck bell stirs the air around it causing sound waves, an “out-of-shape” black hole stirs its surrounding space-time producing gravitational waves.

These “ripples of space-time” can be observed with very sophisticated detectors, called laser interferometers, that measure the space-time distortion caused by the waves as they pass through. Black holes produce very distinctive gravitational waves, unlike any other material object. If you can detect one of these waves, you know for certain that it must have been created by a black hole.

On September 14, 2015, a 1.3 billion-year-old space-time ripple, which began with an energy burst greater than the energy of the whole visible universe, warped the space around Earth by a tiny fraction of the size of a proton. The two twin Laser Interferometer Gravitational-wave Observatory (LIGO) detectors in Louisiana and Washington state observed in unison this minuscule cosmic jolt. The signature of the wave which they recorded was unmistakably that of a collision of two stellar-mass black holes. This event provided the smoking gun that black holes exist as predicted by Einstein, and they can even merge.

One hundred years after their theoretical work, Einstein and Schwarzschild would have been elated by the discovery made by the thousands of physicists, technicians and engineers of the LIGO Scientific Collaboration and the European Virgo Collaboration who built, conceived and operated these amazing detectors through decades of painstaking work.

Five years and tens of binary black hole detections later, we have learned that black holes are ubiquitous in the Universe. They range in size from stellar masses to supermassive objects as heavy as billions of suns. They collide, merge and grow. They form in catastrophic star collapses. Perhaps some of them came into existence in the very first moments of our universe. We know that they are not eternal and may disappear in a very distant future in bursts of radiation. Like many other scientific discoveries that started in the shadows of devastating wars, the imagination of Einstein and Schwarzschild has set humanity on a path to knowledge that still continues today.

That is part of the beauty of science.
WORK HARD.

Play Hard.

Development and learning start long before a child can walk or talk. More brain development happens in the first five years than at any other time in our lives. As children grow, we must use every opportunity as a teaching and learning moment, allowing them to explore and discover the world around them. At the Science Center, we recognize the importance of early childhood and strive to create educational content focused on our little scientists in the Discovery Room.

When the Science Center reopened in June of 2020 after the Covid-19 shutdown, safety guidelines and CDC regulations limited the use of the Discovery Room, impacting our early learner program. As a popular destination for our families, we wanted to ensure we could still serve our youngest guests and provide them with impactful science and education programs while creating a safe and quality program. Born from this was Discover Science with Me.

This program is designed to inspire wonder and curiosity for young children (ages 3-6) and give adult caregivers the confidence to support their child’s learning. Each session, guided and facilitated by a museum educator, features experiments and playful hands-on STEAM experiences for children that are focused on developing motor skills, enhancing language acquisition, encouraging exploration and discovery and helping children deepen their understanding of the world. This allows for a more streamlined and structured class than normal Discovery Room activities. Sessions last 45 minutes and each is centered on a science-related theme (refer to the calendar insert for a current list of science topics and dates).

To keep our young ones safe but still provide a fun and joyful environment, guests will sit with their own social bubbles at individual tables that are properly distanced apart. Each group is provided materials to engage in a variety of learning activities connected to the session’s theme. Activities may include reading together to learn more about a topic, observing living organisms or scientific objects, performing experiments and creating art. The themes rotate frequently so that guests can experience something different more often.

Since this program started last November, hundreds of families have enjoyed learning, exploring and playing together during Discover Science with Me. One of our most popular sessions has been “Tinker Time,” where participants learn about the engineering design process and use a variety of loose parts and recycled materials to design, create, or build anything they can imagine.

This program is scheduled to continue in the Discovery Room throughout the remainder of 2021 in order to ensure that our early childhood space is a place where little learners and their grown-ups can come and play together safely.

Members receive discount tickets

To learn about safety protocols and procedures, please visit slsc.org/discover-science-with-me. Member Discount: $20 per table (reg. $25 per table)—Up to 5 people per table | Call 314-289-4424 to make your reservations today.

See Calendar Insert for Upcoming Sessions.
FALL 2021

Join us for exciting and entertaining demonstrations using fire, electricity and more. Educators will ignite and deepen the curiosity of the Energy Stage audiences by showcasing all areas of STEM.

Energy Stage shows take place daily:
10:15am | 11:15am | 12:15pm | 3:15pm

For more information, visit slsc.org/energystage.

NEW! PLANETARIUM TUNNEL EXHIBIT
Coming Soon: Inside the Vault

Have you ever wondered what treasures are in the Saint Louis Science Center’s Collections?
Step Inside the Vault, take a peek, and find out!

This fall, the Science Center will open an exhibition in the tunnel that will give guests the opportunity to gaze in wonder at some of the amazing artifacts and specimens from the Collections. This will be the largest display of Collections objects in 30 years!

Called Inside the Vault, the exhibition will showcase a remarkable variety of objects that illustrate the breadth and uniqueness of our Collections. Why a vault? Designing the exhibit space to look and feel like a bank vault helps to give a sense that you are stepping into a secure vault to store precious objects. All the items within the Science Center Collections are precious objects to be preserved and protected.

For more than 160 years, numerous individuals and groups have donated to the Collection, building it up to over 100,000 artifacts and specimens. Several of those individual donors were serious collectors who spent years amassing large collections based on their personal interests or field of study. This exhibition will feature the collections of six individual donors, highlighting some of the best and most interesting artifacts and specimens in each.

What can learning about these collections tell us about why humans have a desire to collect? What do YOU find interesting about these collections? What connections or differences do you see between the collections that makes you want to learn more? Help us to discover what about these collections, and collecting, inspires you and ignites your curiosity.

So what’s in the vault? First is the Hansen Mineral Collection, which includes some beautiful and stunning minerals collected from all over the world. Next is the Morton Lighting Collection, which includes various lamps and lighting devices from all over the world and across time (over the past two thousand years). Also included is the Barker Shell Collection, which boasts more than 4,000 shells! Additionally, there is the Davis Miniature Collection, a fascinating collection of miniature statues and other objects representing both human and animal forms. Next is the Stinchcomb Fossil Collection, which includes fossils of marine creatures, plants, and mammals. Lastly, the vault will feature the Grimm Elephant Collection, which is a collection focused on this majestic animal.

We hope you join us “inside the vault” to discover these fascinating artifacts for yourself and to learn more about what it means to collect.
All First Friday events will take place from 5–9pm. Visit slsc.org/first-fridays for updates and schedules.

Please note: First Friday events will follow all existing Saint Louis Science Center health and safety guidelines, including capacity guidelines. Visit slsc.org/exporesafe

SciFest: Creativity and Innovation Celebration

The Science Center’s Oakland Building is turning 30! Join us for a free day-long event celebrating creativity and innovation not only at the Science Center, but also in our region. Learn alongside local innovators, artists, tinkerers and STEAM experts. Enjoy a variety of hands-on activities, and find inspiration for your own creativity.

You can visit slsc.org/scifest for the most up-to-date information.

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Mummies of the World

The Exhibition

EXTENDED! CLOSES OCTOBER 3

Science Spooktacular

Get ready for science thrills!

Halloween-themed activities include spooky science shows, hands-on activities, movies and more. Details to come.

OCTOBER 29–30 | FREE | FAMILY FRIENDLY

Join Us

COMPETITIONS & OPEN PLAY

Unlock the gamer in you.

Visit slsc.org/esports for schedules and slsc.org/gatewaylegends to learn about the Science Center’s esports participation in Gateway Legends.

OCTOBER 30 |

Member Preview Night: Details To Come

These science thrills! Halloween-themed activities include spooky science shows, hands-on activities, movies and more. Details to come.

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Documentary Films at the OMNIMAX® Theater

Whether you are looking to see one of our immersive documentary films or want to experience a feature-length film, the OMNIMAX Theater has some great choices for you this fall. As always, members receive free documentary film tickets and discounted feature-length film tickets. Visit slsc.org/omnimax for film schedules.

OPEN OCTOBER 30 | DOCUMENTARY FILM
Room the primitive forests and thick swamps with bizarre dinosaurs and colossal amphibians. Enter a surreal world of bug-eyed giants and egg-laying mammals—where survival means enduring the sunless, six-month polar winter surrounded by meat-eaters with night vision. Join intrepid Antarctic scientists on a quest to understand the ice continent's profound transformation—and to predict the future as humans drive dramatic change.
Welcome to the lost prehistoric world of Gondwana. Welcome to Antarctica.

CLOSES SEPTEMBER 30 | DOCUMENTARY FILM
Join this amazing adventure to save California's enchanting Channel Island Fox, China's fabled Golden Monkey and the wondrous migrating crabs of Christmas Island.

NOW PLAYING | DOCUMENTARY FILM
A non-stop ride via kayak, bike, train, hot air balloon, zipline and more, Into America's Wild explores some of the most beautiful but little-known landscapes of North America.

FREE FOR MEMBERS EVERY DAY
McDonnell Planetarium Star Shows!

Enjoy the beauty of the nighttime sky during the middle of the day at the McDonnell Planetarium. Our star shows are guaranteed to impress and feature a variety of different shows for all ages. For more information on schedules and shows, visit slsc.org/planetarium.

FEATURED STAR SHOW
LIVE SKY TONIGHT
SHOWING DAILY
Just like the sky, this live show is different each day to bring you the changing stars, planets and current astronomy news over St. Louis. You can see this show as many times as you like and you will continue to learn something new each time.

RETURNING FOR THE HOLIDAYS
SEASONS GREETINGS
OPENING, NOVEMBER 26
Explore the nature of our seasons and why the winter solstice has long been a time of celebration in this live star show.

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ASTRONOMY DATES!
Come to the Planetarium to learn more about these special events.

SEPTEMBER 22
First Day of Fall
September 22nd is the autumnal equinox, or the first day of fall.

OCTOBER 21-22
Orionids Meteor Shower
The annual Orionids Meteor Shower will peak on the night of October 21.

NOVEMBER 19
Lunar Eclipse
A midnight lunar eclipse will be visible in the St. Louis region this November.

COMING NOVEMBER
Details To Come
Join us as we live-stream the event for NASA’s James Webb Space Telescope launch in November.

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LIVE SKY TONIGHT
SHOWING DAILY
Just like the sky, this live show is different each day to bring you the changing stars, planets and current astronomy news over St. Louis. You can see this show as many times as you like and you will continue to learn something new each time.

ASTRONOMY DATES!
Come to the Planetarium to learn more about these special events.

SEPTEMBER 22
First Day of Fall
September 22nd is the autumnal equinox, or the first day of fall.

OCTOBER 21-22
Orionids Meteor Shower
The annual Orionids Meteor Shower will peak on the night of October 21.

NOVEMBER 19
Lunar Eclipse
A midnight lunar eclipse will be visible in the St. Louis region this November.

COMING NOVEMBER
Details To Come
Join us as we live-stream the event for NASA’s James Webb Space Telescope launch in November.
On May 20, Susan Zareh from Forsyth School was awarded the 2021 Carol B. and Jerome T. Loeb Prize for Excellence in Teaching Science and Mathematics.

Carol B. Loeb presented the award to Susan as well as the other finalists—Devon Lahr (2nd Place) from Mehlville School, Jennifer Adams from Clayton High School, Laura Schowalter from Nipher Middle School and Elizabeth Walsh-Rock from STEAM Academy at McCluer South-Berkeley.

The awards ceremony took place in the OMNIMAX® Theater and was attended by the teachers and their invited guests. 2021 marks the 26th year the Loeb Prize has honored outstanding science and math educators in the St. Louis area.

YES at 2021 NFTE Regional Competition

This year, the Saint Louis Science Center’s Youth Exploring Science (YES) Program competed in the Network for Teaching Entrepreneurship (NFTE) Regional Competition. Two YES teen businesses advanced to the final round, which consisted of the top three NFTE businesses in the region.

YES Teens Kira Miller and De’Mea White are founders and co-CEOs of Ms. Curvyy, a business that boosts girls’ self-confidence through apparel and accessories and provides a support group. Ms. Curvyy won 2nd place in the region and $1,000. YES Teen Nehtia Haselwood is the Founder and CEO of Nervy Beauty, a business that helps kids embrace their cultural identity and unique names through customizable accessories. Nehtia won 1st place in the region, a prize of $1,500, and the Regional Entrepreneur of the Year Award. The NFTE finalists were presented their awards on May 20.

Congratulations to Kira, DeMea, and Nehtia as they make their way to Nationals.

On-the-Job Training

We are proud to be able to offer senior YES Teens the opportunity to participate in On-the-Job Training (OJT) internships during the summer. Through the OJT internships, YES Teens have an opportunity to grow and exercise their skills to complement their current curriculum in the YES Program, while simultaneously learning new systems in their OJT placements.

As they put their new work skills to practice, the YES Teens are learning real life work experience through offsite programming. Some help serve their community by providing fun STEM programming to young campers. Other areas the YES Teens have been able to work include the Exhibitions Department, Guest Services Department as well as working within Science Center galleries.

Looking Outward

As a way to turn their efforts outward, the YES Program took a variety of hands-on STEM activities to area sites throughout the St. Louis Metropolitan area. Through this initiative, this community outreach program was able to reach 300 campers, ranging from 1st–5th grade in the University City School District. Summer activities included teaching campers about plants and the importance of pollination, how they can make an environmental impact on their own community, how to use their own creativity and the engineering design process to invent gadgets, and many more STEM initiatives.

Science in the Sun

During the summer, the Youth Exploring Science (YES) Program educates guests through Summertime Science—a free educational program that is led by the YES Program’s youngest teen employees. The YES Teens are responsible for leading classes that teach about science, technology, engineering, art, and mathematics.

This year, the Summertime Science program’s theme was Aerospace in partnership with Boeing. Throughout the summer, YES Teens taught in-person and virtual learners about aerospace, forces of flight, and the types of chemical reactions that launch rockets. A special thank you to Boeing and our community partners for another successful summer.
Now more than ever, we are reminded of the importance of the food production process. Missouri beef producers work every day to produce a variety of beef choices that are wholesome and for families across our state, nation and the world, and as a cattleman myself, I was proud to present a proclamation officially recognizing May as Beef Month in Missouri. —Governor Parson

Governor Parson’s Beef Proclamation Presentation
Featured left to right: Nathan Martin, Missouri Beef Industry Council Chairman of the Board; Governor Mike Parson; Marvin Dieckman, past president of the Missouri Cattlemen’s Association; Todd Bastean, President and CEO of the Saint Louis Science Center; Chris Chinn, Director of Missouri Department of Agriculture.

Governor Parson tours the GROW Gallery
During his visit, Governor Mike Parson talks with Bill McLaren, owner of Crooked Creek Beef, as they admire Bill’s red angus beef cow. Bill and his wife, Linda, were recently selected as the farm family of the year by Franklin County.

Philanthropic Partnership Supports Operation Food Search
The Governor highlighted the importance of food insecurity issues through the “buy-one, give one” pound of ground beef campaign, a philanthropic partnership supported by Missouri Beef Industry Council, Dierbergs Markets, Illinois Beef Association, Missouri Corn Growers Association, St. Louis County Farm Bureau and St. Clair County, Illinois Farm Bureau benefiting Operation Food Search.

Celebrating National Beef Month with Missouri Beef Industry Council
This May, the Science Center’s GROW Gallery celebrated National Beef Month with a variety of activities and events including a special visit from Governor Mike Parson who presented a proclamation declaring May as Beef Month in Missouri.

Take a look at some of the highlights from the Beef Month celebration of our region’s hardworking farmers and ranchers, the animals they care for and the role agriculture plays in food production from harvest to home.

Our friends from the Missouri Beef Industry Council came out and answered guest questions about beef. Guests took part in fun activities, presentations and giveaways, and even had the chance to meet Benny the Bull!
CASE IH Renews Its Support of the GROW Gallery

GROW Founding Partner CASE IH renewed its support for agriculture educational programming, activities and events for another six years.

“We are thrilled to renew our partnership with the Saint Louis Science Center and the GROW gallery,” said Scott Harris, VP North America, Case IH. “At Case IH, we strive to teach the importance of farming, where food comes from and how it’s grown. The GROW gallery is a valuable, educational asset that allows people of all ages to better understand the agriculture industry.”

Local Farm Family Purchases GROW CASE IH Combine

This June, the Richters from Richter Farms in Trenton, Illinois, stopped by GROW to pay a visit to their new CASE IH combine. The Richters are excited to take this combine home to the farm where they’ll put it to use harvesting corn and soybeans. CASE IH will deliver another new combine to GROW for guests to climb inside and learn about the important role this massive piece of equipment plays in farming.

St. Clair County, Illinois Farm Bureau Supports Our Newest Flock of Chickens

Recently, guests have greeted a new flock of chickens in our outdoor GROW Gallery thanks to a generous donation from the St. Clair County, Illinois Farm Bureau. The St. Clair County, Illinois Farm Bureau supports the beautiful new flock of chickens as well as their upkeep and the chicken feed they eat.

This Giving Tuesday, support science for our future.

Giving Tuesday is a global generosity movement unleashing the power of people and organizations to transform their communities and the world. For this Giving Tuesday, we invite you to bring the power of your generosity to science education in the St. Louis community.

The Science Center delivers connections to STEAM (science, technology, engineering, art and math) open for everyone in our community and our region. Access to science education helps us better understand our world and empowers today’s dreamers to become tomorrow’s researchers, coders, engineers and more.

This Giving Tuesday, make a gift to the Science Center in support of open, accessible science galleries like GROW and GameXPloration, free events like SciFest and First Friday, and our daily operation. Or, make a gift in support of our nationally recognized YES (Youth Exploring Science) Program, which for over two decades has provided a pathway to success through STEAM for local teens.

Our mission to ignite and sustain lifelong science and technology learning is powered by the generosity of science supporters like you.

Learn more or make a gift today at slsc.org/givingtuesday.
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

Celebrate the 30th anniversary of the Science Center’s Oakland Building with a gift in support of our mission to ignite and sustain lifelong science and technology learning.

From providing the resources to maintain and update our open, accessible science learning galleries like GROW and GameXPloration, to delivering connections to real scientists and STEAM professionals through programs like SciFest and First Friday, to sustaining the Science Center’s daily operation, your support helps power science experiences for everyone in our community.

There’s never been a better time to support science for our future.

Make a gift today at slsc.org/donate.