

PHILLIP & PATRICIA FROST MUSEUM OF SCIENCE

Grand Opening Guide

FROST
SCIENCE

Downtown Miami's Museum Park

Tickets available at frostsscience.org

#ItsScienceMiami #FrostScience



Thank You, Miami

They say good things come to those who wait. And Miami, your time has come. The Phillip and Patricia Frost Museum of Science is now open in Downtown's Museum Park, a place where together we'll help shape the future of science and technology in the Magic City. What awaits you within our museum is a magnificent encounter with the fascinating intricacies of science. From the dazzling cosmos to the depths of the Gulf Stream, you're sure to encounter something that sparks your curiosity and inspires you to investigate the astounding science behind our world and the universe beyond.

For the thrilling wonders and innovative technology found throughout our museum, we're eminently thankful to the residents of Miami-Dade County,

Miami-Dade County Mayor Carlos Gimenez, Miami-Dade County Department of Cultural Affairs and the Cultural Affairs Council, Board of County Commissioners of Miami-Dade County, Building Better Communities Bond Program, City of Miami, City of Miami Mayor Tomás Regalado and the City of Miami Commission. We are also thankful for our many private donors and the support of the State of Florida, Department of State, Division of Cultural Affairs and the Florida Council on Arts and Culture.

What we are most thankful for is our community. You are the thread that connects our past, present and future. In the words of Carl Sagan, "Somewhere, something incredible is waiting to be known." And our new journey is just beginning.

A LOOK BACK

The year was 1949, and Miami was in the thrust of a building boom. A group of women in the Junior League of South Florida recognized that the growing community in South Florida needed a science museum. With that vision in mind, they procured a house on Biscayne Boulevard and 26th Street and created a private non-profit institution—the Junior Museum of Miami.

The town was growing by leaps and bounds, and so too was the institution, which quickly outgrew its location. By the late 1950s, a special committee

recommended to the county that it establish a major independent science museum. Ten years later, the Miami Museum of Science opened its doors on three acres of the historic Vizcaya complex—the location it would call home for the next 55 years.

As the 21st century approached, the museum had grown—but Miami was growing faster, tripling in size since the 1950s. The county's residents rallied in support of the arts and sciences and in November 2004, they voted to pass the Building

Better Communities General Obligation Bond to create a new Miami Science Museum. Soon thereafter, the City of Miami agreed to lease the museum four acres of land in Downtown Miami's Museum Park and in 2012, the Phillip and Patricia Frost Museum of Science broke ground on its 250,000-square-foot campus.

Now, Miami's beloved science museum stands ready to enthrall visitors of all ages for generations to come.



THE FUTURE OF FROST SCIENCE

The Frost Science of today is a dazzling complex that stirs the imagination, with incredible architecture, engineering and exhibitions aimed at inspiring the next Sylvia Earle, Alfred Nobel, Severo Ochoa or Neil deGrasse Tyson.

Designed by the award-winning Grimshaw Architects, the museum is divided into four buildings that take advantage of prevailing cooling breezes, sun orientation for solar power and captivating views of marine and human habitats. These four separate but interconnected buildings—the Frost Planetarium, Aquarium, West Wing and North Wing—create a feeling of

indoor-outdoor connection, openness and diverse learning.

As it looks to the future, Frost Science is setting its sights on Leadership in Energy and Environmental Design (LEED) Gold certification. The museum is a beacon of environmentally friendly best-practices, from graywater and rainwater collection systems and the use of sustainable resources to a rooftop solar farm that generates power for the building.

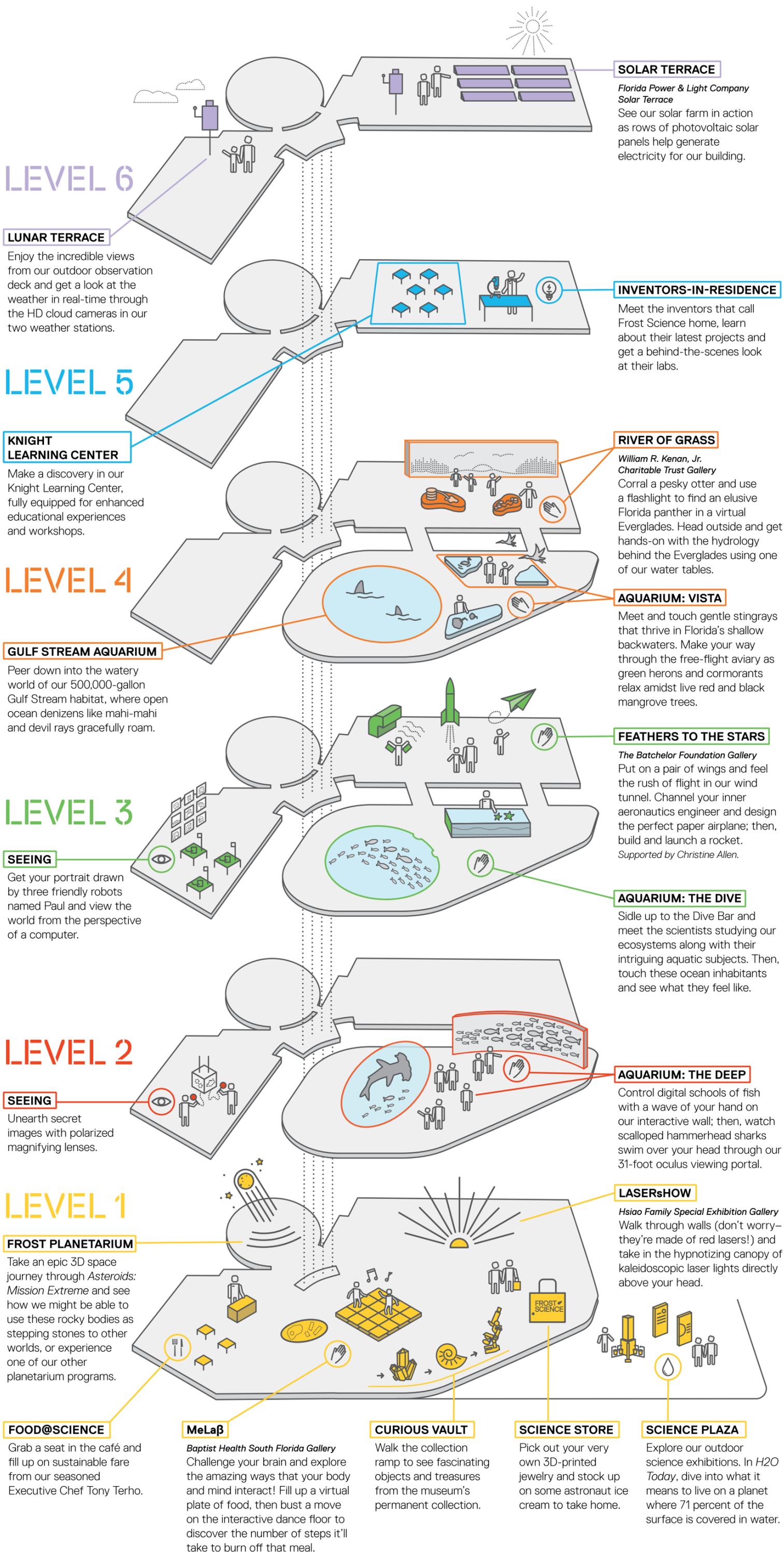
When it comes to technology and engineering, the museum is an exemplary case study of innovative techniques and achievements.

Our Dell Technologies Data Center plays a crucial role in our IT infrastructure with a centralized data storage and powerful servers. Communication is key and our Motorola Solutions equipment ensures the safety and security of the public in the facility. The Frost Planetarium, one of the most advanced facilities of its kind anywhere in the world, uses a 16-million-color, 3-D 8K visual system and a projection system capable of true 120Hz. And the 100-foot wide, 500,000-gallon cone-shaped Gulf Stream Aquarium habitat supports 4.5 million pounds of water.

A Day at Frost Science

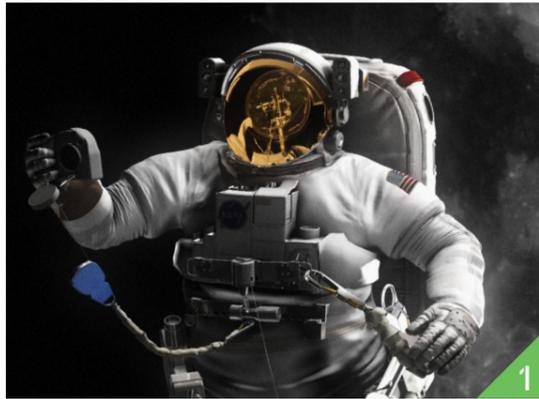
Wonder what adventures are waiting for you inside of Frost Science? We've got you covered!

Every inch of the museum has something new for you to investigate and discover. From touching sting rays and dodging lasers to embarking upon a thrilling 3-D odyssey through space, each one of your senses will be fully engaged throughout your adventure-packed day. On the map below, we've highlighted some of the incredible things you can do while visiting the museum. You'll also have the opportunity to dive a bit deeper into each one of the exhibitions on the next two pages.



The Experience

SCIENCE EXHIBITIONS



Within the universe of Frost Science, you'll embark upon a fascinating exploration of vibrant living systems, the miraculous human body and mind, the adventure of flight, and the frontier of innovation and technology. Designed by teams of both designers and exhibition developers, the museum's exhibitions spark wonder and curiosity and encourage investigation and discovery for those of all ages.

1 FROST PLANETARIUM

Hurting through the starry expanse of space or weaving in and out of vibrant colonies of coral reef—it's all in a day's work at the Frost Planetarium. One of the most advanced spaces of its kind, this cutting-edge 250-seat dome puts you in the middle of the action using a 16-million-color, 3-D 8K visual system—one of only 13 like it in the world. The dome's 23.5-degree tilt allows you to take in a full 360-degree view of the following spellbinding adventures:

Asteroid: Mission Extreme 3-D Co-produced by National Geographic and narrated by Sigourney Weaver, "Asteroid: Mission Extreme 3-D" takes you on an epic trek to the rocky surfaces of debris hurtling through space. It explores how asteroids have shaped our destiny as a species here on Earth and how we might someday harness their velocity as a stepping stone to other worlds.

Dynamic Earth Narrated by Liam Neeson, "Dynamic Earth" explores the planet's atmospheric system using imagery based on satellite monitoring data and advanced supercomputer simulations. Here, you'll ride along swirling ocean and wind currents, dive into the heart of a monster hurricane, come face-to-face with sharks and fly into roiling volcanoes throughout this journey.

2 AQUARIUM

From Gulf Stream sharks to the tiny organisms within coral, the Aquarium is a trip through the beautiful watery worlds of South Florida. The building covers three levels, beginning on the top Vista level where you'll travel the vibrant surface of habitats such as the Gulf Stream, Mangrove Forest and the Everglades. Then, descend to the lower Dive and Deep levels for stunning underwater views and interactive learning stations. Through face-to-face encounters with working scientists and dynamic live animals, you'll experience a connection to these rich ecological systems and the science behind them.

The Vista A massive outdoor deck, the Vista level puts you at the surface of key South Florida ecosystems. In the Gulf Stream Aquarium, mahi-mahi and scalloped hammerhead sharks cruise the waters, while rehabilitated green herons navigate the spaces of the free-flight aviary. Red mangroves

and a 22-foot gumbo limbo hold court just beyond the Florida Bay Touch Experience, where string rays gracefully glide.

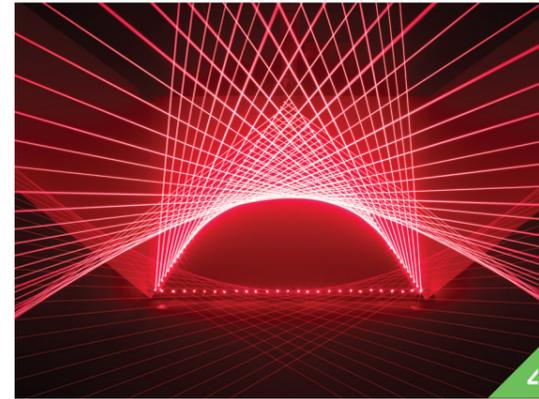
The Dive Throughout the Dive level, nearly 30 aquariums and interactive vessels offer an intimate view into the subtropical sea, where colorful damselfish dart through corals and predators search for their bait through mangrove forest shadows. At the Dive Bar, you'll meet with scientists and curators as they share their observations about the ecosystems and animals they study.

The Deep With a revealing look at the mysterious and vast depths of the Gulf Stream, the lowest level of the aquarium is where drifters such as jellies reside. A one-of-a-kind 31-foot-wide oculus lens forms the bottom of the Gulf Stream Aquarium and gives you a direct view of the scalloped hammerhead sharks and tuna swimming overhead.

3 FEATHERS TO THE STARS

Through Feathers to the Stars, located in The Batchelor Foundation Gallery, you'll explore the amazing story behind the past, present and future of flight—from feathered dinosaurs to space travel. You'll learn about the biology and evolution of flight, aerospace engineering, astronomy and physics while meeting a 30-foot feathered dinosaur, virtually launching one of the Apollo space missions and landing a spacecraft on Mars.

Supported by Christine Allen.



4 LASERsHOW: LIGHT, COLOR & GEOMETRY

Inside the vast Hsiao Family Special Exhibition Gallery of LASERsHOW, learn about the physics of light while surrounded by the beauty of an immersive laser canopy. Several stations inside this exhibition offer an exploration into the physics of light and lasers, while overhead, light fractures and reformulates into a 3D light figure that comes to life.

5 MeLaß

With an in-depth look at the human body and mind, MeLaß, inside the Baptist Health South Florida Gallery, will send you through five interactive zones with a digital partner named Beta. Here, you can challenge your brain, stop a virus, dance or just chill out as you explore behavioral science and neuroscience research, medical technology and public health. You'll also discover amazing ways that our body and mind interact and how our daily choices can impact how both entities work together.



6 FROM THE CURIOUS VAULT

From the storage vault of the former museum to the galleries of Frost Science, the Curious Vault Collection showcases some of the treasured specimens and objects that have been donated to the museum by members of the community. Several display cases highlight clusters of objects related to natural history, anthropology and human ingenuity.

RIVER OF GRASS

Located in the William R. Kenan, Jr. Charitable Trust Gallery, River of Grass carries young explorers through two related spaces: a hands-on outdoor area that explores the physics of water and an indoor virtual Everglades, where charming animal characters interact with children through 16 high-resolution projectors and seven 3-D capture cameras that track their positions and gestures. This exhibition communicates a fun storyline of biodiversity, hydrology and environmental science.

Limited Engagement

SEEING: WHAT ARE YOU LOOKING AT?

Is there only one way to see? How does the brain interpret what it's looking at? Can machines understand sight? SEEING sets out to probe these questions through interactive artworks that investigate biological and technological sight. Guests will have the opportunity to test out echolocation, use colored shapes to create music and view the world from the perspective of a computer.

On view through Friday, October 20, 2017.

Supported by Bascom Palmer Eye Institute, part of the University of Miami Health System.



SCIENCE EXHIBITIONS

H2O TODAY

Located on the outdoor Science Plaza, H2O Today explores the science of water from its hydrological cycle and impact on weather, to its physical power as an architect and sculptor of our planet's landscape. The exhibition also dives into the creative ways people are tackling the challenges of water shortages and pollution around the planet.

Presented in association with the Smithsonian Institution.

SOLAR & LUNAR TERRACES

The living rooftop terraces at Frost Science give you access to the power of the elements—sun, wind and rain—while showcasing native vegetation and urban gardens. Two weather stations monitor rainfall, humidity and sunshine to create a database that will be used to study Miami's climate. A solar farm on the Florida Power & Light Company Solar Terrace constructed with photovoltaic solar panels helps offset energy usage.

LOCATION

Frost Science is located on Biscayne Boulevard in Downtown Miami's Museum Park next to the Pérez Art Museum Miami.

Address: 1101 Biscayne Blvd., Miami, FL 33132

SCHEDULE AT A GLANCE

To avoid long lines and sellouts, guests are strongly encouraged to purchase tickets in advance through our website. One Total Experience ticket includes access to all museum exhibitions, the aquarium and your choice of one Frost Planetarium show.

Opening Weekend:

Friday, May 12, 9:00 a.m. – 10:00 p.m.

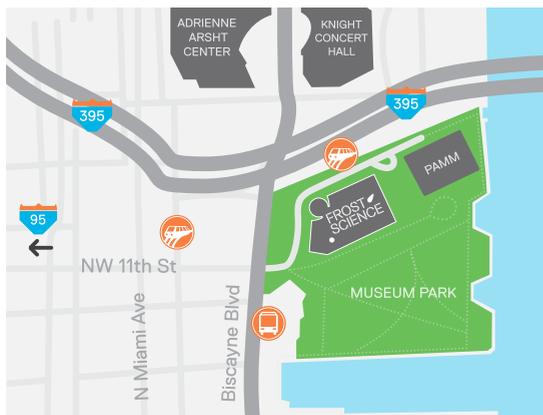
Saturday, May 13, 9:00 a.m. – 10:00 p.m.

Sunday, May 14, 9:00 a.m. – 6:00 p.m.

More at frostsscience.org/grandopening.

Normal Operating Schedule:

Open daily, 9:00 a.m. – 6:00 p.m.



GETTING HERE

Large crowds are expected for opening weekend and wait times at the onsite Ticket Center can be long. Buy your tickets online and avoid the lines. Please give extra consideration for arrival time and parking. More at frostsscience.org/parking.

Onsite parking options are limited. You can save time and money by parking remotely and taking the FREE Metromover to the museum. We recommend using the Metromover—simply disembark at the Museum Park station (1191 Biscayne Blvd.), located steps away from the museum. Explore more transportation options including street and nearby parking, Metrobus, Miami Trolley and car services at frostsscience.org/parking.

ADMISSION

Buy online, avoid lines. One Total Experience ticket includes access to all museum exhibitions, Aquarium and your choice of one Frost Planetarium show.* To avoid long lines and sellouts, guests are strongly encouraged to purchase tickets in advance through our website. Once purchased, simply present your print-at-home ticket(s) at the point of entry, where they will be scanned. Don't have a printer? Not a problem! Use your mobile device to access tickets and gain entry to the museum.

- ✓ Adults\$28
- ✓ Youth (ages 3-11)\$20
- ✓ Children (2 and under)Free
- ✓ MembersFree

Miami-Dade County residents receive a **15% discount** on Total Experience tickets. Proof of Miami-Dade County residency will be required before being admitted into the museum. Acceptable forms of ID to establish Miami-Dade County residency will be one of the following: Florida Driver's License or Florida state-issued ID card (must display Miami-Dade County address).

For more details and information on additional discounts only available at the onsite museum Ticket Center, please visit frostsscience.org/planyourday.

Ticket good for admission only on date indicated. All sales are final. No refunds, returns or exchanges. Ticket has no cash value. Not responsible for lost/stolen tickets. Ticket void if altered. All visitors, both members and non-members, require admission tickets. Show your printed ticket(s) or ticket barcode on your mobile device for express entry.

*Additional Frost Planetarium shows can be purchased at the onsite museum Ticket Center.

BECOME A MEMBER

Let the discoveries begin by becoming part of one of the most dynamic science museums in the world! A membership is the best way to explore Frost Science with numerous benefits and a diverse array of members-only programs, events and exhibition previews. Join today and receive free admission for a full year for you and your family. Prices start at \$65. More at frostsscience.org/membership.

IT'S SCIENCE.

Explore more and buy tickets at frostsscience.org

GET CONNECTED

Enhance your museum experience with the Frost Science mobile app. Available for download at: frostsscience.org/app.

Visit frostsscience.org/calendar for a list of museum events and special programming.

Grab a bite at the museum. For information about Food@Science, visit frostsscience.org/dining.

Make the most of your visit with our guide to Frost Science at frostsscience.org/tips.

JOIN THE CONVERSATION

Use our hashtags #ItsScienceMiami and #FrostScience on social media.

Follow Frost Science on Facebook, Instagram and Twitter @frostsscience.

THANK YOU TO OUR MAJOR SUPPORTERS

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The Phillip and Patricia Frost Museum of Science is supported by the Miami-Dade County Department of Cultural Affairs and the Cultural Affairs Council, the Miami-Dade County Mayor and Board of County Commissioners of Miami-Dade County. This project is supported by the Building Better Communities Bond Program and the City of Miami. Sponsored in part by the State of Florida, Department of State, Division of Cultural Affairs, and the Florida Council on Arts and Culture. The museum is accredited by the American Alliance of Museums, is an affiliate of the Smithsonian Institution and a member of the Association of Science and Technology Centers. Frost Science is an accessible facility. All contents ©Phillip and Patricia Frost Museum of Science. All rights reserved.

