

FROST
SCIENCE

EDUCATOR GUIDE

Field Trips and Outreach 2023-2024



Table of Contents

Welcome Letter	3
Field Trips @ Frost Science	4
Learning Labs	6
Frost Planetarium Shows	9
Educator Opportunities	10
Title I Opportunities	11
Frost Science in the Community	13
Outreach	14
Early Childhood Programming	17
Educator Resources	18
Frost Science Exhibitions	19
Museum Floor Plan	23



Welcome Letter

Dear Educators,

As the school year starts, we at the Phillip and Patricia Frost Museum of Science (Frost Science) want to let you know how much we value your work as educators. We want to support your efforts with opportunities to help students develop a passion for science and technology. Museum experiences not only provide meaningful support for classroom learning, but they also show students science and technology in fun and memorable ways. Associating science with wonder and enjoyment gives young people a new way to look at the world, and Frost Science is an excellent place to make these associations.

Our team is dedicated to making lasting connections to educators and your students through meaningful educational interactions. These engagements are centered around our unique facilities: experiencing a show at the Frost Planetarium, watching a shark or turtle swim by in the Aquarium, interacting with exhibits about flight and human health, or participating in our expert-led Learning Labs. Alternatively, students can engage with an outreach specialist at their school. In addition, we are excited to host a series of high-quality traveling exhibitions, such as *Sharks*, which opens on October 14. We are committed to providing opportunities for discovery and inquiry-based learning that fits with the rapidly changing needs of your school or organization.

We are also pleased to share that this year we are providing more opportunities for Title I schools to visit the museum. We are working with Miami-Dade County Public Schools to remove the barriers of cost and transportation that you may have in visiting the museum by providing bus costs and field trip admission for select Title I schools. We are also launching a STEM Designation program, which will increase your school's science engagement through a relationship with the museum. You can learn about all these opportunities in this guide.

We invite you to join us at Frost Science this year to ignite and grow your students' passion for science and technology.



Dr. Doug Roberts
President & CEO
Phillip and Patricia Frost Museum of Science



Field Trips @ Frost Science

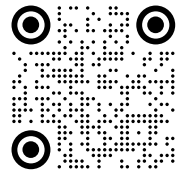
Bring science lessons to life through inclusive educational experiences with Frost Science.

Field trip admission ranges from \$14.95-\$16.95 depending on the day of the week and season. Please look at our 2023-2024 Field Trip Admission Calendar on page 5 to check the admission cost for the day you're interested in visiting.

Learning Labs (weekdays only) and **Frost Planetarium Shows** are available as add-ons from August 19 – May 16. Learning Labs are \$5 per student. Frost Planetarium shows are \$2 per student.

*All prices are per student. Please note that the museum requires a ratio of 1 chaperone per every 10 students. These chaperones are free of charge. Additional chaperones pay the same rate as the students. Frost Science membership or other discounts may not be used in conjunction with field trip and group rates. For questions regarding special needs groups, email fieldtrips@frostsscience.org.

Please see the field trip FAQ for more information at frostsscience.org/fieldtrips.



Field Trip Costs Per Day:

\$14.95

\$15.95

\$16.95

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SEPTEMBER 2024						
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From August through September 2023, all field trip admission is \$14.95.



Learning Labs

You and your students can dive deeper into science with a 45-minute facilitated, hands-on learning experience in our Knight Learning Center. Led by a museum educator, topics include marine science, earth science, space and engineering with standards-aligned options for grades Pre-K through 12th grade. Learning Labs are available throughout the academic year, subject to availability. At least one chaperone must remain with the group at all times.

**Please check with your reservation representative if you are interested in adding a Learning Lab and/or a Frost Planetarium show.*

Pre-K

Sea Life Sorting

Students will sort, classify and compare shells in this ocean and coastal-themed experience that celebrates the biodiversity of life on Earth. Hands-on activities will teach students how to observe, investigate and categorize our diverse mollusk shell collection of rare finds and Florida favorites. Students will learn to recognize the similarities and differences in shapes, colors and sizes, and match sea creatures' adaptations with their environments and habitats.



Grades K-2

Crocogators

Young biologists will sink their teeth into the world of some of the oldest animals on Earth: crocodiles, alligators, caimans and gharials! Students will go on a journey that follows the evolution of these remarkable reptiles while exploring their unique adaptations through engaging activities, including a special viewing of both crocodile and alligator skulls from our museum's collection. Students will complete their day by comparing the physical features of alligators and crocodiles and making a take-home face mask of their favorite reptile.

Night and Day

Students will blast off into outer space to explore the key components of our planet, including our star, the Sun, and our natural satellite, the Moon. A facilitator will guide students in discovering the key roles the Sun and Moon play in the repeating patterns that make day and night. Students will then explore how the positions and rotations of the planet help to create the four seasons. Students will put together a planetary orbital model with a special focus on the positioning between the Sun, Moon and Earth to uncover how these celestial bodies create solar and lunar eclipses.

Wind Tunnel Design

Students will apply their engineering skills to make machines go higher, further and faster. Using a variety of materials—including everyday objects—they'll be encouraged to create their own flying contraptions and to test them out in our own vertical wind tunnel. Their designs will go through different challenges, all encouraging design readjustments and trial and error—an important part of the engineering process.

Grades 3-5

Junior Paleontologist Lab

Discover what our planet looked like millions of years before humans walked the Earth. Students will learn about fossils and what they can tell us about Earth's history with a chance to view Frost Science's fossil collection up close. Students will also step into the role of junior paleontologist by participating in a mini-dig, where they will uncover what is like to make a new discovery from mapping out their site to identifying their findings.

Building the Future

Students will let their creativity flow as they become the next generation of problem solvers by exploring the fundamentals of engineering. This hands-on introduction to the engineering design process will encourage creative thinking, team work and perseverance while students tackle a bridge-building challenge. Teams will plan, build and test their designs to respond to weight and length demands, and then modify their designs to create the ultimate bridge.

Fingerprints of Light

Students will have the opportunity to jump into an astrophysicist's shoes as they study how light's properties and behavior are applied to astronomy and human space exploration. Students will use tools like color filters, diffraction gratings, and colorful spectrum gas tubes to note how gases emit light and have their own unique light pattern or "fingerprint." Finally, students will analyze the light spectrums of different planets to determine which one to explore.

Motion of the Ocean

Students will learn about ocean currents, the constantly moving, interconnected energy system powered by forces that play a key role on our planet. Drawing inspiration from a real-life serendipitous experiment with rubber ducky drifters, students will engage with a hands-on simulation model to observe how wind and landmasses affect movement for surface currents and plot data of paths taken as they monitor a drifter. They will then be introduced to how new technology can further aid science research by checking in on ocean drifters' tracks as part of the Global Ocean Observing System and applying their new knowledge to predict future tracks.

Grades 6 – 8

Power of Hydration

Students will discover what their bodies need to be healthy through an investigation of hydration and human anatomy, and answer questions about how the food and drinks they consume influence the way their bodies function.

Earth Formations

Students will investigate the geophysical phenomenon of tectonic plates and how they have continuously changed the surface of our planet, from Pangea to modern Earth. Using various props and puzzles, they will learn how to interpret tectonic movement with maps, collect scientific data and make predictions about the future of Earth's topography. As they uncover the different layers of the Earth, they will also have the opportunity to observe and categorize pieces of the museum's rock and mineral collection, and use tools to view them up-close. Students will identify patterns within the rock cycle and how weathering and erosion play a part in their formation.

Squid Dissection

Students will dive into a slimy (and sometimes smelly!) dissection that investigates the biology of one of the earth's most highly developed invertebrates: squid. Students will examine and identify the unique features and adaptations these mollusks have developed over time to help them survive. They'll also analyze the role of squids in the marine food web along with the characteristics they share with their mollusk relatives. Don't worry, the smell comes off with a little soap and water—but the memory lasts forever!



Grades 9 – 12

Forensic Science

From matching fingerprints to analyzing ink samples using chromatography, students will step into the roles of forensic scientists. Students will learn the importance of careful observations while working through different stations as they analyze different types of evidence. Students will use the same tools as the experts as they use the evidence given to draw conclusions like real forensic scientists. Afterwards, they will present their findings and have a conversation about the next steps that would be taken in a real lab.

Water Quality Testing

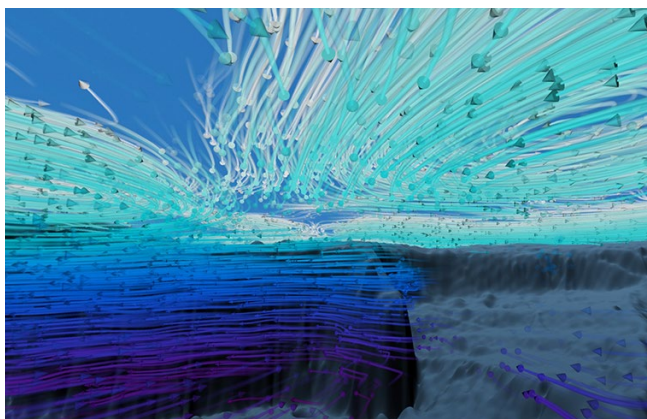
Students will dive into water chemistry by analyzing the temperature, acidity, salinity and nutrient balance from various water sources—including our own Aquarium. As they gather results, students will make inferences on what they mean for an aquatic system, especially for aquatic creatures to live and thrive. As they conclude their lesson, they will review real-life studies that are responding to the changing climate and pollution, including research at Frost Science that is focused on increasing the heat tolerance of corals as ocean temperatures rise.



Frost Planetarium Shows

A Frost Planetarium show allows students to explore the world and universe through a state-of-the-art experience in an awe-inspiring venue. For more information about current shows, please visit frostsscience.org/planetarium.

Please note that shows are filled on a first-come, first-served basis. Check with your reservation representative if you are interested in adding a planetarium show. Shows are subject to change.



Dynamic Earth

Narrated by actor Liam Neeson, you'll ride along on swirling ocean and wind currents, dive into the heart of a monster hurricane, come face-to-face with sharks and gigantic whales, and fly into roiling volcanoes as you explore the inner workings of the Earth's climate system.



Black Holes: The Other Side of Infinity

Narrated by actor Liam Neeson, the production features high-resolution visualizations of cosmic phenomena and data generated by supercomputer simulations to bring the current science of black holes to the dome screen. The show provides a groundbreaking, scientifically accurate perspective on black holes and presents the latest compelling evidence of their role in the universe.

Educator Opportunities

Frost Science hosts various professional development opportunities to assist you in your science teaching. By using informal science practices, such as those used in a science museum, we provide opportunities for you to connect your students to real-world research through hands-on investigations and inquiry-based learning. Please check our website for more opportunities throughout the school year.

Date	Topic	Requirements	Partners	How do I sign up?
September 29 – October 1	Ecology of Biscayne Bay	Middle and high school teachers	International SeaKeepers Society	Visit frostsscience.org/event/teacher-pd-seakeepers
October 27	STEM Designation – Paleontology and Marine Science	Title I 3rd – 5th grade teachers	MDCPS	Email education@frostsscience.org
November 7 – 9	ReefFlorida Symposium	All marine science educators	NOAA, UM, Florida DEP	Visit frostsscience.org/symposium

Contact education@frostsscience.org or visit frostsscience.org for more information.





Title I Opportunities

During the 2023 – 2024 academic year, we are providing opportunities for Title I schools to visit the museum and participate in Learning Labs at no cost.

Power of Hydration Field Trip

Title I middle schools are invited to participate in our new *Power of Hydration* Learning Lab. Participating classes will receive transportation to Frost Science*, field trip admission, and a *Power of Hydration* Learning Lab at no charge.

Through this Learning Lab, students will discover what their bodies need to be healthy through an investigation of hydration and human anatomy. They will also answer questions about how the food and drinks they consume influence the ways their bodies function.

Generously supported by the Weo Foundation.

*Bus transportation costs will be covered by MDCPS Culture Pass program.

FREE Title I Field Trips (all grades)

All Title I schools in Miami-Dade County may apply for a free field trip to the museum.* Fill out our Community Access Request Form to sign up or email fieldtrips@frostsscience.org.

* This opportunity does **not** include bus transportation.

Receive Your School's STEM Designation with Us!

Title I teachers and students will dive into science with Frost Science during the 2023-2024 academic year. Through continuous engagement with the museum, 3rd-5th grade classes will receive Miami-Dade County Public Schools (MDPCS) STEM designation and participate in meaningful science experiences.

Engagements

These engagements will be completed throughout the 2023-2024 academic year and will result in MDCPS STEM designation for participating schools.

Field Trip to Frost Science (all-inclusive)

Each school will receive a field trip to the museum for up to 47, 3rd-5th grade students. The field trip will include:

- 1) Bus costs
- 2) A Learning Lab
- 3) Access to all museum exhibitions

During Learning Labs, students participate in a 45-minute science activity in the museum's Knight Learning Center aligned to a topic of the school's choice.

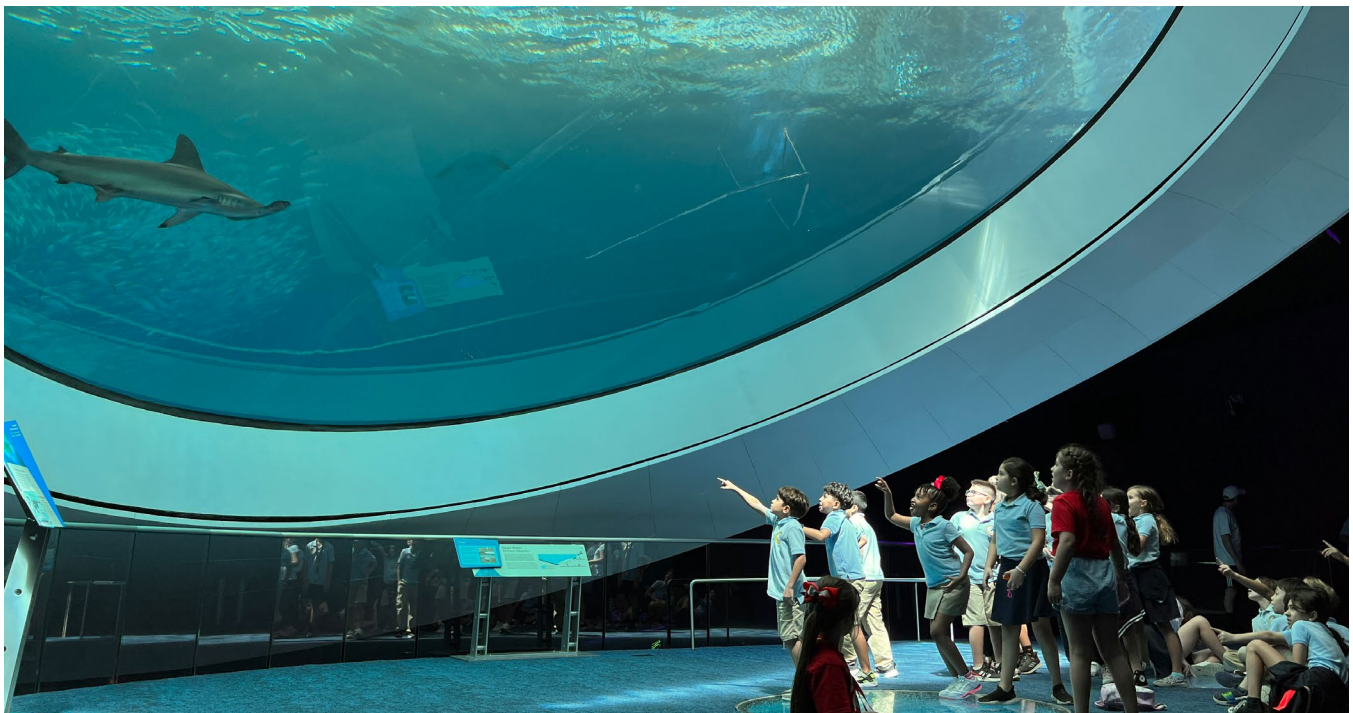
Teacher Professional Development

All teachers part of the Frost Science STEM Designation program will participate in a professional development workshop at the museum, where they will learn about current science and be given access to two standards-aligned lesson plans to use in their classrooms. These lessons will be used to support the Learning Lab that their students will engage in during their Frost Science field trip.

Meet the Museum Scientist (virtual)

This opportunity will connect students and teachers to experts in various science disciplines at the museum. Students will learn about careers in STEM and ask questions about marine science, astronomy paleontology or tropical ecology. Schools will have **two** of these engagements.

How do I sign up? Contact education@frostsscience.org.



Frost Science in the Community

The museum is on the move! During our outreach programs, we come to you and bring the museum with us. Our science-focused hands-on activities and demos are aligned to Florida NGSSS, promote project-based learning, and engage students in K – 12th grade in STEM. Check out our outreach offerings and contact outreach@frostsscience.org if interested.





Outreach

The Phillip and Patricia Frost Museum of Science is on the go! Outreach with Frost Science brings hands-on learning directly to schools and communities. Each experience inspires the audience to investigate our world and universe through the lens of science.

Frost Science Outreach Programs include:

- ✓ STEM-focused, NGSSS-aligned curriculum (standards available upon request, per grade)
- ✓ All hands-on activities and supplies needed for each program
- ✓ Two specially trained science educators to bring your outreach experience to life

Hands-On Activities

- ✓ \$250 for one 30-minute session | \$175 for each additional 30-minute session
- ✓ 25 participants maximum per 30-minute session

Catapult Engineering Challenge

Take flight into engineering design as your students build and test their own catapults. Students will use materials like K'Nex, cardboard and rubber bands to build a catapult, then test their device for distance and accuracy. Along the way, they'll discover the principles of engineering design and physics.

Museum on the Move

Bring the collections of Frost Science to you! In this hands-on activity, your students will sort rocks, seashells and skeletons of animals from South Florida and beyond to learn about variation and adaptation. Students will spend time learning how to identify iconic elements of Florida's natural history, so they can continue learning in their own backyards.

Circuitry Challenge

Learning about electrical conduction is a snap in this hands-on circuit exploration. Students will discover the basics of energy and electricity as they use problem solving skills to build circuits that glow, buzz and even move. Just be careful not to short circuit!



Geology Rocks

Dig into geology as your students learn to sort and identify rocks and minerals from the Frost Science collection. Then students will be able to conduct experiments to study magnetism and luster. Finally, they'll take on the role of backyard geologists as they learn about limestone and South Florida's unique history.

Science Shows

- ✓ \$600 per 30-minute show
- ✓ No maximum number of participants
- ✓ A stage must be available for these programs; additional shows may be added for \$550 each

Design & Create

Think you have what it takes to participate in the ultimate STEAM challenge? Join us on stage to battle it out! Using the engineering design process, you'll navigate a building task in a race against other participants.

Fire & Ice: Science Showdown

Help determine which element creates the coolest (or hottest) reaction. Watch fire experiments bring the heat, while ice experiments cool you down. Then, vote on which takes the prize for 'best in show.' *Please note, this show uses real fire.*



Demonstrations

- ✓ \$300 for one 30-minute show | Additional shows may be added for \$250 each

Power of Plasma

Join us for an out of this world exploration into the fourth state of matter. After playing a game to understand solids, liquids and gases, students will learn about the most common state of matter in the universe, plasma! Explore the role of magnetism and electricity in our universe through experiments conducted with our plasma globe. Then discover spectroscopy to take exploration to the stars and beyond.

The Chill Zone: Liquid Nitrogen

Explore physical reactions by freezing everyday objects with liquid nitrogen. Watch as balloons, flowers and other objects undergo a physical change when exposed to extremely cold temperatures (-321°F, to be exact). Make sure to stay for our grand finale as we create a simulated cloud, thunder and all!



Night Sky Telescope Viewing

✓ \$1,000 for two hours for up to two telescopes

Enhance a special evening event under the stars with a night sky telescope viewing*! Bring the far away beauty of celestial objects up close and experience the night sky as never before. Participants will have the opportunity to view celestial objects** in the night sky as well as learn about telescopes and astronomy.

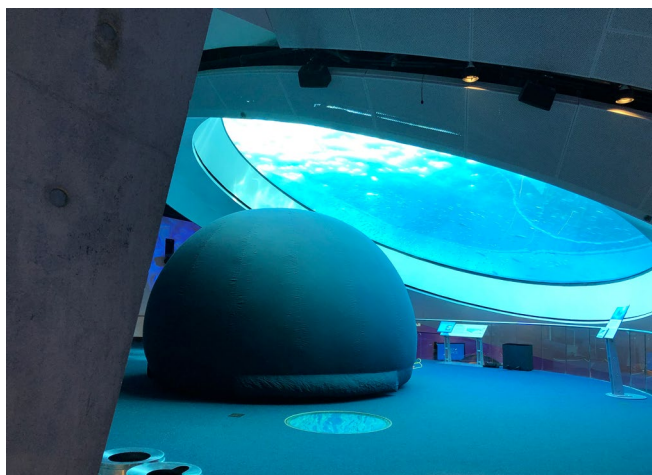
**Night sky telescope viewings are weather permitting. No refunds or cancellations will be provided for inclement weather or poor visibility. However, if there is an appropriate location and power supply, we will provide a supplemental weather-appropriate activity when possible.*

***Celestial objects in the night sky will vary depending on the time of year and event location.*

Portable Planetarium

✓ Starting at \$1,000 for two hours of programming

Explore the cosmos as you step inside the Frost Science Portable Planetarium. Participants take a guided journey through the night sky and discover educational facts about our solar system and other key celestial objects that they can find when they look up at the stars. Limited to 30 students per presentation (35-person total capacity, including teachers and presenters). The indoor-only, inflatable dome can be used in auditoriums, gymnasiums, cafeterias, media centers and libraries with an uncompromised space of 20' x 20' x 20'.





Early Childhood Programming

Early Childhood Hands-On Science (ECHOS)

ECHOS is a hands-on, interactive early childhood science curriculum that is:

- ✓ Research-based
- ✓ Designed for small groups of preschool children
- ✓ Aligned with preschool science standards
- ✓ Scripted to facilitate guided inquiry
- ✓ A foundation for critical thinking

The overall goal of ECHOS model is to increase teachers' ability to introduce basic science concepts to preschool children through the use of a guided inquiry-based curriculum. Interested in using ECHOS curriculum in your classroom? Contact echosinfo@frostsscience.org or visit frostsscience.org/echos.

Little Atoms: Pre-K Learning with Frost Science

This outreach program is specifically geared toward early childhood science learning. This program delivers hands-on activities to daycares, libraries, and schools. Each experience is specifically designed for early learners, ages 3 to 5, to engage the senses while promoting exploration and discovery. Themes include:

- ✓ **Building Blocks:** Sort, stack and play with basic building blocks, which helps develop a child's spatial awareness.
- ✓ **Junior Docs:** Practice listening and looking while investigating the body through role-play by becoming a doctor.
- ✓ **Let's Rock:** Investigate various types of rocks and examine the science behind the hardness of rocks.
- ✓ **Music Makers:** Stimulate senses through sight, sound and touch, and engineer musical instruments of all kinds out of everyday objects and materials.
- ✓ **Spinning Spirals:** Whirling, twirling, spinning spiral patterns will be explored as we examine the science behind the shape of a hurricane.
- ✓ **Young Minds Yoga:** Practice movement that will help strengthen the body and mind.



For more information please email outreach@frostsscience.org or visit frostsscience.org/outreach.

Educator Resources

Supporting Field Trip Materials

We know educators are incredibly busy. To help you prepare for your field trip—as well as reinforce the lessons learned at the museum back in your classroom—we've created standards-based pre- and post-visit materials for grades Pre-K through 8 that align with each of our exhibitions. These resources include activities to use before and after your visit, and provide insight into what you can expect during a Frost Science field trip.

Standards-aligned curriculum materials can be downloaded free of charge from frostsscience.org/fieldtrips.

South Florida Educators Membership

Certified K-12 teachers of accredited public and private schools located in Miami-Dade County, Broward County, Palm Beach County and Monroe County can purchase a Frost Science Educator Membership for just \$35. Educator memberships are valid for admission for one adult cardholder year-round, plus guest privileges for select programming and exhibition previews.

Need inspiration for an upcoming Frost Science field trip? A free educator membership helps you plan an unforgettable experience for your students.

Educator Memberships at Frost Science include:*

- ✓ FREE museum general admission + one FREE Frost Planetarium show per visit for one adult cardholder
- ✓ Discounts on parking with every visit (based on availability)
- ✓ Invitations and guest privileges for select programming and exhibitions previews

**Does not include the ASTC Passport or discount to camps, educational programs or additional tickets.*

To register for a Frost Science Educator Membership, please visit the Membership Priority Window at the onsite Frost Science Ticket Center during regular operating hours with your current school educator I.D. Verification is valid for one full year.

The cost of a Frost Science Educator Membership is \$35/year. Proof of current school year employment is required. School websites, health insurance cards, or a class syllabus are NOT acceptable forms of proof.

Active educator members with a current Educator Membership can convert their Educator Membership to a family membership level of their choice with a \$35 credit towards the purchase of the higher membership level. For more information, please email membership@frostsscience.org or call 305-434-9600.

Accessibility

Frost Science is dedicated to making the museum an accessible space for everyone to learn and enjoy. As part of our *Just for Me* initiative, we offer various opportunities for children and families in our community:

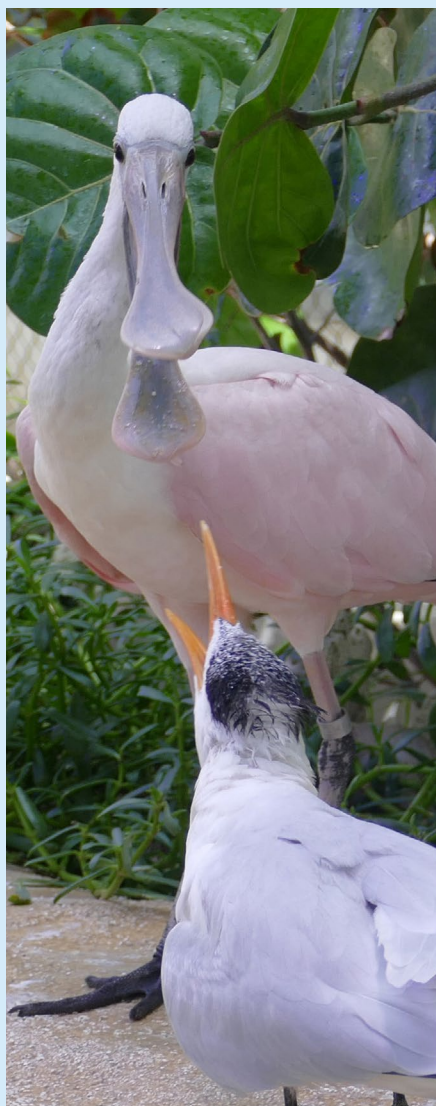
Sensory Toolkits: Anyone visiting the museum can check out a sensory toolkit for free. Toolkits are equipped with noise cancellation headphones, social narrative, weighted blanket and sensory toys.

Just for Me days: This event is a way for you and your family to enjoy the museum in a quiet, comfortable and accepting environment. During *Just for Me* hours there will be sound and lighting adjustments within the exhibitions to make them more sensory-friendly.

Field Trip FAQs

For more information regarding field trips, please review the field trip FAQ at frostsscience.org/fieldtrips.

Frost Science Exhibitions



Aquarium

A masterpiece of living science, the three-level Aquarium (*The Vista*, *The Dive*, *The Deep*) carries you from the surface to the depths of South Florida's crucial aquatic ecosystems and beyond.

The Vista

Level 4

A massive outdoor deck, *The Vista* level puts you at the surface of key South Florida ecosystems. In the 500,000-gallon Gulf Stream Aquarium, scalloped hammerhead sharks cruise the waters, while rehabilitated green herons navigate the spaces of the Mary M. and Sash A. Spencer Aviary. Red mangroves and a 22-foot gumbo limbo tree hold court just beyond the Florida Bay Touch Experience, where you can meet and touch gentle stingrays that thrive in our state's shallow backwaters.

The Dive

Level 3

Throughout *The Dive* level, a variety of colorful, vibrant 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. Then visit the National Coral Reef Conservancy at Frost Science (ReefFlorida) to learn about coral conservation.

The Deep

Level 2

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 and sandbar sharks swimming overhead.





Power of Science

Ocean Gallery, Supported by the University of Miami

Step into the shoes of researchers, explorers and innovators unlocking everything from the mysteries of the universe to those inside our bodies. In this permanent exhibition at Frost Science, you'll dive into groundbreaking research and discoveries from the University of Miami and beyond. As you journey across four scientific frontiers, Our Oceans, Our Environment, Our Bodies and Our Universe, you'll encounter rare specimens, state-of-the-art scientific instruments and cutting-edge exhibits, including an interactive floor. As you learn about the Power of Science, these interactive exhibits and games will challenge you to think like a scientist and explore real-world solutions to issues such as major storms and threats to coral reefs.



Feathers to the Stars

The Batchelor Foundation Gallery, Supported by Christine Allen

Discover the amazing story of how ancient evolution gave birth to animal flight and how humans used imagination and engineering to get airborne and travel to outer space. Students will come face-to-face with a 30-foot dinosaur, the *Yutyrannus huali*, while exploring interactive stations with handrails that reveal the secrets of birds' biomechanics. They'll meet the daredevil inventors who pioneered human aviation by risking their lives to figure out the aerodynamic principles of thrust, drag, gravity and lift before building and launching their own air rockets in an exploration of the physical laws that guide rockets through the Earth's atmosphere.

MeLab

Baptist Health South Florida Galleries

MeLab guides students through the amazing ways the body and mind work together and how daily choices contribute to their health. In this exhibition, they'll get to challenge their brain with problem-solving tasks, stop a 'virtual virus' and more.





River of Grass

William R. Kenan, Jr. Charitable Trust Gallery

The wet, wild and mysterious River of Grass provides young explorers with an interactive way to learn more about the Everglades through two related spaces. In the outdoor area, children see, feel and experiment with the physics of water, introducing them to the concepts that keep the 300-mile Everglades and all its creatures alive. Inside, children venture into an interactive virtual environment where animal characters come to life during a “day in the life” of the Everglades. They’ll chase otters, spot a panther using a flashlight, and by the end of the journey, learn that life in the Everglades is rich and worth protecting. This exhibition is specially designed for children 3-6 years of age.



The Sun Spot

Florida Power & Light Company Solar Terrace

Experience the power of the sun as a renewable source of energy through several interactive solar-powered activities. Begin by feeling the power it takes to energize everyday objects with an outdoor bike or hand crank. Then, discover the science and engineering behind solar panels and explore the dynamic nature of the sun while safely viewing it with a Sunspotter. Students are also invited to get into the engineering mindset as they investigate why we need different types of renewable energies and explore why innovation in batteries may be the solution to the future of clean energy.





Special Exhibition

Frost Science also has spaces dedicated to nationally touring temporary exhibitions. This ensures a regular rotation of topics and experiences for you and your students to explore.

Sharks

October 14, 2023 – April 21, 2024 | Hsiao Family Special Exhibition Gallery


Sharks, a new blockbuster exhibition making its North American premiere at Frost Science, invites you into a world dominated by members of the shark family to explore their genetic diversity, territories, interactions and significance to ocean ecosystems. Highlighting the very latest science and with deep cultural overlays, *Sharks* explores the diversity of these ancient fishes. Often misunderstood and misrepresented, sharks are awe-inspiring and fear inducing creatures of the sea. They have been around for 450 million years—long before the dinosaurs—and have evolved into hundreds of species with different characteristics and adaptations.

As you dive into this stunning, bilingual (English and Spanish) exhibition, you'll encounter ten, life-sized scientifically accurate models including the now extinct 270-million-year-old *Helicoprion* (also known as the Buzzsaw Shark); the Bull Shark, which lives in fresh water for extended periods of time; and the Great White Shark, one of the most famous (and feared) species of shark. A Tiger Shark, Grey nurse, and Hammerhead Shark are also featured. Submerge yourself in a specially designed 'oceanarium' that showcases the majesty and power of sharks swimming through the ocean and creates a dramatic immersive experience.

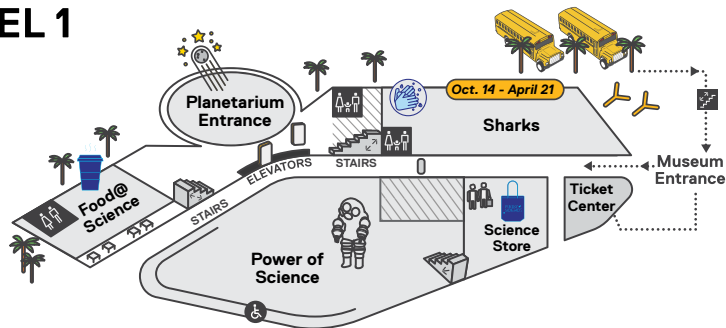
Sharks is an exhibition created by the Australian Museum and toured by Evergreen Exhibitions.

To see all current exhibitions, please visit frostscience.org/exhibition.

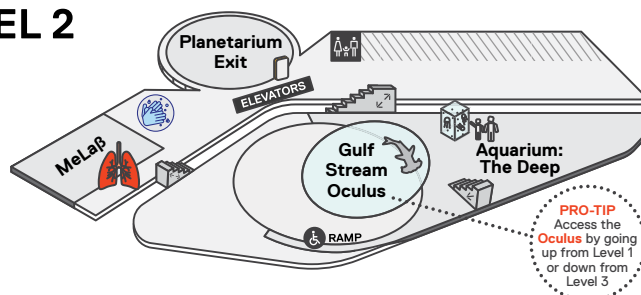
Museum Floor Plan

-  STAIRS
-  ELEVATORS
-  RESTROOM
-  FAMILY RESTROOM
-  CAFÉ
-  NON-PUBLIC AREA

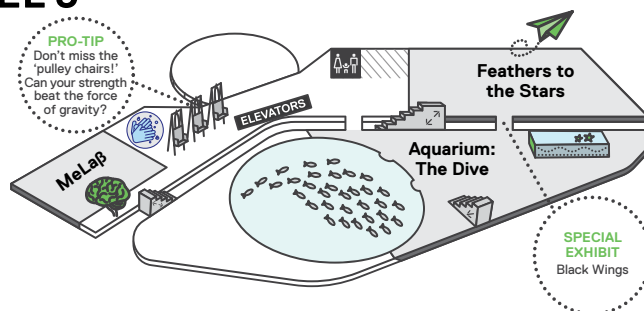
LEVEL 1



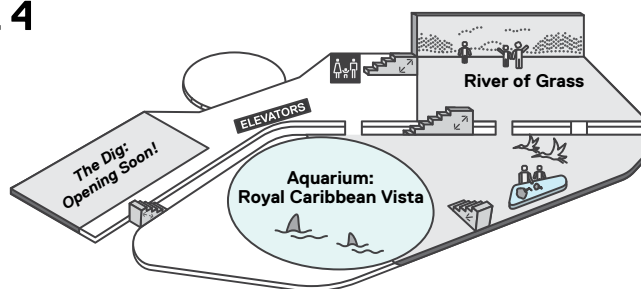
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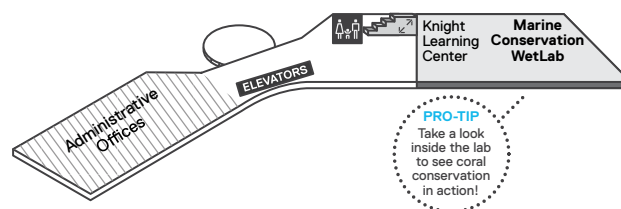
LEVEL 3



LEVEL 4

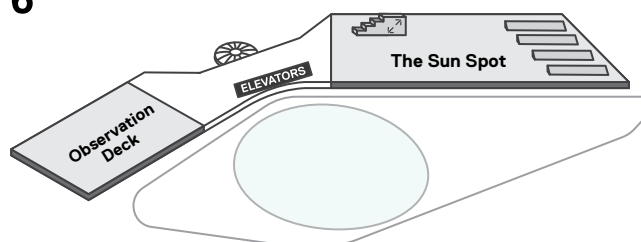



LEVEL 5




LEVEL 6


(ROOF)



 For the safety of our animals and divers, please, no flash photography.

 Food, drinks, gum and smoking are not allowed in museum galleries and exhibitions.

 All galleries and exhibitions are wheelchair accessible.

 Frost Science is a smoke-free facility. No smoking or vaping on property.



For more information or to reserve your field trip, please visit
frostsscience.org/fieldtrips.

For additional assistance, please email
fieldtrips@frostsscience.org
or call 305-434-9564.

PHILLIP & PATRICIA FROST MUSEUM OF SCIENCE

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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 Arts and Culture, the Florida Council on Arts and Culture, and the National Endowment for the Arts. 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.