

RESOLUTION NO. _____

A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, AUTHORIZING THE CITY MANAGER TO TAKE THE FOLLOWING ACTIONS: 1) EXECUTE AN AGREEMENT WITH THE PHILLIP AND PATRICIA FROST MUSEUM OF SCIENCE ("FROST MUSEUM") AND MIAMI-DADE COUNTY PUBLIC SCHOOLS, IN A TOTAL AMOUNT NOT TO EXCEED \$9,000.00, TO BRING STEM-FOCUSED, HANDS-ON EDUCATIONAL PROGRAMS TO MIAMI BEACH SENIOR HIGH SCHOOL, MIAMI BEACH NAUTILUS MIDDLE SCHOOL, MIAMI BEACH FIENBERG FISHER K-8, MIAMI BEACH SOUTH POINTE ELEMENTARY SCHOOL, NORTH BEACH ELEMENTARY SCHOOL, AND BISCAYNE BEACH ELEMENTARY SCHOOL; 2) EXECUTE AN AGREEMENT WITH THE FROST MUSEUM, IN AN AMOUNT NOT TO EXCEED \$4,500.00, TO FUND THE FROST OUTREACH PROGRAM COMMUNITY EVENTS, COMPRISED OF NO MORE THAN \$2,500.00 TO FUND TWO FROST OUTREACH COMMUNITY PROGRAMS, AND NO MORE THAN \$2,000.00 TO FUND THE REFRESHMENTS FOR THE ABOVEMENTIONED COMMUNITY EVENTS, WHICH CITY FUNDING SHALL BE APPROPRIATED FROM THE CITY'S GENERAL FUND.

WHEREAS, in January 2008, the City of Miami Beach, Florida ("City") entered into an Education Compact with Miami-Dade County Public Schools ("M-DCPS") to enhance learning opportunities for youth; and

WHEREAS, the Education Compact reflects the desire of the Miami Beach community to support excellence in the City's public schools; and

WHEREAS, the Education Compact currently addresses and supports the following priority areas: Teacher Recruitment/Retention; Communication; Parental Involvement/Family Support; Youth and Community Engagement; Health and Well-Being; Student Achievement; Safety; and Technology; and

WHEREAS, the City of Miami Beach is seeking to partner with the Phillip and Patricia Frost Museum of Science ("Frost Museum") to bring STEM focused, hands-on learning directly to schools and the community; and

WHEREAS, each experience provided through the Frost Museum will inspire youth and the community to investigate our world and universe through the lens of science; and

WHEREAS, Frost Science Outreach programs will include a STEM-focused, Next Generation Sunshine State Standards-aligned curriculum, all hands-on activities and supplies needed for each program, and two specially trained science educators for each experience (see Exhibit A); and

WHEREAS, programs to be provided include in-school activities such as Egg Drop Engineering and Portable Planetarium, and two community events, Night Sky Telescope Viewing and a Family Science Night Event; and

WHEREAS, as such, the Administration recommends that the Mayor and the City Commission approve and authorize the City Manager to execute an agreement with the Frost Museum and Miami-Dade County Public Schools to bring Frost Science Outreach in-school programs to Miami Beach Senior High School, Miami Beach Nautilus Middle School, Miami Beach Fienberg Fisher K-8, Miami Beach South Pointe Elementary School, North Beach Elementary School, and Biscayne Beach Elementary School, in an amount not to exceed \$11,500; and

WHEREAS, the Administration further recommends that the Mayor and the City Commission approve and authorize the City Manager to fund refreshments for the two community events at a cost not to exceed \$2,000.

NOW, THEREFORE, BE IT DULY RESOLVED BY THE MAYOR AND THE CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA that the Mayor and City Commission hereby authorize the City Manager to take the following actions: 1) execute an agreement with the Phillip and Patricia Frost Museum of Science ("Frost Museum") and Miami-Dade County Public Schools, in a total amount not to exceed \$9,000.00, to bring STEM-focused, hands-on educational programs to Miami Beach Senior High School, Miami Beach Nautilus Middle School, Miami Beach Fienberg Fisher K-8, Miami Beach South Pointe Elementary School, North Beach Elementary School, and Biscayne Beach Elementary School; and 2) execute an agreement with the Frost Museum, in an amount not to exceed \$4,500.00, to fund the Frost Outreach program community events, comprised of no more than \$2,500.00 to fund two Frost Outreach community programs, and no more than \$2,000.00 to fund the refreshments for the abovementioned community events, which City funding shall be appropriated from the City's general fund.

PASSED AND ADOPTED this ____ day of _____ 2019.

ATTEST:

Dan Gelber, Mayor

Rafael E. Granado, City Clerk

(Sponsored by Commissioner Michael Gongora)

APPROVED AS TO
FORM & LANGUAGE
& FOR EXECUTION

City Attorney
FA

10/8/19
Date

FROST SCIENCE | 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

Booking Your Frost Science Outreach Experience

To reserve your Frost Science Outreach, please visit frostsscience.org/outreach.

Reservations request must be made a minimum of three weeks in advance. A 20% nonrefundable deposit is required to secure your program. The balance must be paid in full 10 business days prior to the program.

Travel Fee: Depending on distance and travel time from Frost Science to the outreach location, an additional travel fee may apply.

PHILLIP & PATRICIA FROST MUSEUM OF SCIENCE

1101 Biscayne Blvd. Miami, FL 33132 | 305-434-9600 | frostsscience.org @FROSTSCIENCE



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.

PROGRAM DESCRIPTIONS AND COST

EGG DROP ENGINEERING CHALLENGE

\$500 for four 30-min sessions

Discover the wonders of engineering and physics as participants team up to build their very own freefalling contraption—this time with a tech-savvy twist! Participants will be tasked with designing a protective vessel to hold a special egg that's equipped to register gravity, mass, acceleration and other properties of physics. Once the "egg-craft" is tested, participants will find out if their egg survived! If not, they can practice the engineering process and rebuild to test again. Limited to 30 students per session.

FAMILY SCIENCE NIGHT

\$1,000 for 2-hours of programming

Celebrate STEM education with our Family Science Night program—the perfect way to blend science and excitement. The two-hour program is flexible enough to engage the whole family, leading to a spirited evening of interactive experiences that spark wonderment and the science that goes with it. This program includes the following three activities:

- One group demonstration.
- One family engagement engineering challenge (materials included).*
- One other science activity.*

**Can be chosen to fit in with the theme of your event and we will work with you to select appropriate activities.*

Please note that this is intended to engage up to 150 individuals at one time in a large cafeteria/gymnasium-type setting. Additional activities provided by your venue may help round out the event depending on your vision and anticipated group size.

FROST SCIENCE PORTABLE PLANETARIUM

\$1,000 for four 30-min presentations

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'.

NIGHT SKY TELESCOPE VIEWING

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

**(\$750 for each additional two hours,
\$500 for an additional (third) telescope per two hours)**

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.*

BUILD YOUR OWN OUTREACH

Starting at \$1,000 for 2-hours of programming

Do you have a specific vision for your event? Not a problem! The build your own outreach program is our most flexible program. We will work with you to create an outreach program that provides you with the experience you want for your event.

