Welcome to the South Florida Science Center and Aquarium

The Science Center revolves around a simple premise: science is exciting! Science means adventure and exploration and we are delivering on this promise by providing schools, visitors and campers an entirely new set of science programming and tech ventures based on computer coding, robotics and other leading edge educational programs. These new programs have allowed us to educate more young minds than ever before, now serving over 215,000 students, teachers and visitors annually, including 75,000 through field trips and educational outreach into schools and classrooms. We recently renovated our facility and updates included a complete re-construction of our 5,000 square foot Hall of Discovery, containing 30 new or rehabilitated hands-on exhibits, upgraded planetarium, new 1,000 square foot early childhood education room, upgraded theater, a new science laboratory and upgraded amenities. The third phase of our renovation is underway and we have big plans for a Science Center Campus project this year which will include a Boardwalk, new interactive outdoor exhibits, and a Conservation Golf Course. We hope you will join us in this next exciting phase.

The 2015 - 2016 Educator Guide provides an overview of authentic scientific exploration and new educational programs that the Science Center has to offer, both at the Center and at your school. These science classes fulfill our mission, to “Open every mind to science” and follow the Next Generation Sunshine State Standards for Science and the new Florida Standards. As always, we welcome your feedback; please contact us anytime at education@sfsciencecenter.org or by calling (561) 370-7710.

Sincerely,
Carla Duhaney
Director of Education, South Florida Science Center and Aquarium

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Teacher Membership ($20)

Sign up for a Teacher Membership for A+ savings on your visits! At the teacher level, membership benefits are valid for one individual which include: Unlimited annual admission to our science center, unlimited planetarium shows and mini golf, $25 off first program booked, discounts in the store and on laser concerts, facility rentals, subscription to our e-newsletter, Sci-FYI; and free or reduced admission to over 300 science centers around the world!

Teachers may also sign up or upgrade to our other membership levels anytime for a discounted rate! For more information, please contact the membership office at members@sfsciencecenter.org or call (561) 832-1988 x 237

Children 6 years old and younger can play and discover in their very own space!

Explore science after dark on the last Friday night of each month from 6-9 PM!

sfsciencecenter.org/nights-at-the-museum

Thank you for visiting our website!
Aquariums of the Atlantic
The Science Center’s 3,000 square foot Aquariums of the Atlantic house some of Florida's most beautiful native fish such as Queen Angels, Lookdowns, Moray Eels, Stringrays and seahorses as well as a few fish that have invaded Florida’s habitat. The new aquariums take visitors through the depths of our coral reefs and interpret Florida's diverse ecosystems of the Everglades, Coral Reefs, Gulf Stream, and the Open Ocean. There are daily touch tank demonstrations and live feedings on Mondays, Tuesdays, Thursdays, and Saturdays at 1 p.m.

The Hidden World of the Everglades
Learn all about what makes the Florida Everglades unique - America’s only sub-tropical wilderness. Visitors can listen to the sounds of Everglades animals like the Florida Panther and the Eastern Diamondback Rattlesnake and view glimpses of their natural environment. The interactive exhibition immerses the visitor in Florida’s wildlife, indigenous and invasive, and various Everglades ecosystems. Within the River of Grass monitor, visitors and students explore the state-of-the-art exhibition that tells the story of the Everglades within a historical context.

Florida Conservation Station
The Conservation Station is a learning center that educates audiences of all ages on different conservation topics. This learning laboratory includes hands-on experiments and research activities that transform visitors into real-world biologists. The station gives visitors an idea of the immense variety of life in Florida and complex relationships among living things.

Science on a Sphere
Science on a Sphere (SOS) is a room-sized global display system that uses computers and video projectors to display planetary data onto a six-foot diameter sphere, analogous to a giant animated globe. Researchers at NOAA developed the SOS as an educational tool to help illustrate Earth System science to people of all ages. Animated images of atmospheric storms, climate change, and ocean temperature can be shown on the sphere.

Out of This World
See our collection of rare space artifacts and real rocks from space. Touch a 232 pound meteorite or spend a few minutes watching Apollo 14 highlights while you view a real moon rock brought back on an Apollo mission. This collection also features a Mars rock found in Nigeria in 1962.

Hands and Minds on Science
Explore the basic principles of science with hands-on displays representing the states of matter, including solid, liquid, gas and plasma displays. Continue through the gallery for more basic principles of electricity revealed through conversion machines and Jacob’s Ladder. Perfect for all beginning science students and science enthusiasts of all ages!

What is Nano?
Nano is an interactive exhibition that engages family audiences in nanoscale science, engineering, and technology. Visitors will be able to build a giant model of a carbon nanotube, explore progressively smaller magnetic materials, and explore the relative effects of static electricity and gravity using the Static vs. Gravity discs.

Hurricane Simulator
Have you ever experienced hurricane force winds? Visitors will get to dial up the winds of a Category 1 Hurricane and see the 78 mph wind make your skin crawl! Visitors can also learn how to better protect their lives and property, and what to do once the storm has passed. The booth will use video, audio and high wind speed to make you feel like you are right in the storm!

Brainy Acts
Exercise your mind with puzzling challenges for all ages!

Marvin Dekelboum Planetarium
The planetarium is a 61-seat theater including advanced fulldome digital projection equipment and laser machine. Palm Beach County’s only public planetarium features a rich history and modern technology to transport visitors beyond the skies. Please see our Education Programs section for show descriptions and pricing.

Nature Trail
Enjoy the outdoors while continuing your science exploration! Our interactive nature trail includes hands-on exhibits: Bubbleology, gem panning station, fossil dig, whisper dishes, Gator Golf, classic physics demos, and a butterfly garden.

Discovery Center
Powered by PNC Grow Up Great
Children 6 years old and younger can play and discover in their very own space! The Center’s features include a giant 16 x 5-foot water table, a wall-sized Lite Brite play area, lounge area for parents, story time area with bookshelves, a dress-up area and more.

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CALL TODAY! (561) 832-2026
The Marvin Dekelboum Planetarium is the first and only public planetarium in Palm Beach County. Since 1964, we have served to educate and entertain guests about the wonders of the Universe. We offer daily public shows along with our selection of programs that meet K-12 educational standards.

**New! - The Life of Trees (Grades K-3)**
Take an adventurous journey into the wondrous world of trees. This full-dome film sponsored by the West Palm Beach Office of Sustainability reveals the magic of the microscopic, and answers questions such as: How do plants grow? How do they get their food from the Sun? How does water get from the roots to the top of the crown? And how does all this make life on our earth possible?

**New! - Dinosaurs Alive (Grades 3-12)**
Experience a global adventure of science and discovery as the earliest creatures of the Triassic to the monsters of the Cretaceous are reincarnated. Journey with renowned paleontologists as they hunt for fossilized clues, uncovering evidence that dinosaur descendents may still walk (or fly) among us today.

**One World, One Sky: Big Bird’s Adventure (Grades Pre-K-1)**
Follow Sesame Street’s Big Bird and Elmo as they explore the night sky with Hu Hu Zhu, a Muppet from Zhima Jie, the Chinese co-production of Sesame Street. Together, they take an imaginary trip from Sesame Street to the moon, where they discover how different it is from Earth. Children interact with the show by drawing constellations and counting the time it takes the sun to set.
Big Ideas: 5, 6, 12, SC.K.E.5.1-4, SC.1.E.5.1, SC.1.E.6.1, SC.1.P12.1, LAFS.K12.SL.1.1, LAFS.K12.SL.1.2

**Kaluoka’hina - The Enchanted Reef (Grades K-5)**
A digital fulldome planetarium show, this animated feature film transports the viewer to a tropical reef, a one-of-a-kind world inhabited by creatures that are humorous and courageous, lovable and bizarre, charming and dangerous.

**Bugs! - A Rainforest Adventure (Grades 2-5)**
Get a view of the fascinating universe of insects magnified up to 250,000 times their normal size, where a leaf weight as much as a car and a single raindrop can quench the largest thirst. This fulldome show focuses on the life cycles of a praying mantis and a butterfly from their birth to their inevitable encounter in the tropical rainforest of Southeast Asia, where predator meets prey.

**Stars and Constellations (Grades 2-5)**
What are stars made of? Is there such a thing as a cold star? Where is the Big Bear, or the hunter Orion in the sky? This 360° traditional planetarium experience narrated live by our science educator will teach you the myths behind the famous constellations and students will feel like they are outside at night looking at stars.

**To Other Worlds (Grades 2-8)**
Join us on a fantastic adventure through space conducted by our science educator in the planetarium. Learn the cool characteristics about planets and other objects in our Solar System and see how stars will look that particular night with our 360° traditional planetarium experience.

**Astronaut (Grades 3-8)**
What does it take to become an astronaut? What is it like on the International Space Station? How does space travel affect the human body? This digital fulldome planetarium show will take you into space while exploring the effects that space travel has on our bodies and the technology needed to protect us.

**Back To The Moon For Good (Grades 3-8)**
To the Moon... with no return? This planetarium show follows the excitement of the Google Lunar XPRIZE competition. The ultimate example of citizen science, the winning team will successfully land a robotic spacecraft on the Moon, have it travel 500 meters on the surface, and send back video imagery.

**Sea Monsters: A Prehistoric Adventure (Grades 3-12)**
This fulldome adventure, created by National Geographic, weaves together a series of paleontological digs from around the globe in a compelling story about scientists working as detectives to answer questions about the ancient and mysterious ocean world.

CALL TODAY! (561) 832-2026
EDUCATION GUIDE 2015-2016
Cosmic Collisions (Grades 3-12)
Produced by the American Museum of Natural History (AMNH) and narrated by Robert Redford, this show launches students on a thrilling trip through space and time to explore celestial smashups that cause dramatic change in the universe. Students experience the explosive encounters that shaped our solar system, changed the course of life on Earth, and continue to transform our galaxy.

Night of the Titanic (Grades 3-12)
Stand on the deck of the mighty ocean liner as the tragedy unfolds in the icy North Atlantic. Weather, ice, the sun, and human error all contribute to the sinking of this “unsinkable” ship. Experience the RMS Titanic’s last day and discover the science that could have saved the ship.

Two Small Pieces of Glass (Grades 3-12)
This amazing digital fulldome show follows two young people at a star party and explains the history of telescopes, how they work, and shows beautiful images of the discoveries made by these instruments over the last 400 years. This planetarium show is accompanied by a lesson on solar telescopes including the chance to look through one at the sun for an educational and exciting space experience! (weather permitting)

The Earth and Me (Grades 4-12)
Throughout history we have exploited nature and its resources for our own benefit. Dive into the influence of humans on Earth’s climate, ecosystems, and biodiversity in this full dome planetarium production. Sponsored by the West Palm Beach Office of Sustainability.

Black Holes: The Other Side of Infinity (Grades 6-12)
This show provides a groundbreaking, scientifically accurate perspective on black holes and presents the latest compelling evidence that black holes are real. Viewers encounter a range of spectacular cosmic wonders, including a depiction of the beginning of the universe, the first stars, the collision of two galaxies, and a virtual trip into the center of the Milky Way galaxy.

Laser Concerts
Visitors can enjoy their favorite rock classics set to an amazing 3D Laser concert! Shows take place on the second Saturday night of each month at 6:30, 7:30, and 8:30 p.m. All laser concerts are $8 for members and $10 for non-members, and include a pair of ChromaDepth 3D laser glasses. Tickets can be purchased at the door or online at www.sfsciencecenter.org/laser_concert.

New - Discovery Dome Astronomy Outreach
Our new, state-of-the-art, portable digital planetarium can travel to your school so that your students can enter a virtual world of science and astronomy! Discovery Dome is a product of the Immersive Earth program, a NASA-sponsored project to bring science to schools and to the public. All of our planetarium programs listed in this guide are available in the Discovery Dome (except Cosmic Collisions). The Dome requires an indoor space 25-square feet and 12-feet high, as well as a nearby electrical outlet.

Journey back 150 million years and experience dinosaurs like never before in this prehistoric tour of Earth!

November 1 - April 16, 2016

During this jurassic adventure, you will become globe-trotting explorers alongside 13 life-size roaring, breathing, animatronic dinosaurs. Discover the amazing diversity that existed during the Age of the Dinosaurs as you travel from the fierce plains of Africa to the once tropical beaches of Antarctica.
Early Childhood Education Programs

Our specialized early childhood programs are appropriate for preschool, VPK, and kindergarten. If you are unable to bring your class to the Science Center, our Educators will travel to your school!

Ocean Commotion
Explore the fascinating world of sharks and other aquatic animals through animal puppetry, toy replicas, and touching real shark jaws and aquatic animal fossils. Students will discover an animal’s amazing senses and investigate its habitat. At the end, students will get to create their own shark tooth necklace.
Investigation and Inquiry, Life Science, Earth and Space

One World, One Sky: Big Bird’s Adventure (Grades Pre-K-1)
Follow Sesame Street’s Big Bird and Elmo as they explore the night sky with Hu Hu Zhu, a Muppet from Zhima Jie, the Chinese co-production of Sesame Street. Together, they take an imaginary trip from Sesame Street to the moon, where they discover how different it is from Earth. Children interact with the show by drawing constellations and counting the time it takes the sun to set.
Investigation and Inquiry, Earth and Space

Creepy Crawlies
Become an entomologist to discover the world of creepy crawlies as we learn where bugs live, what they eat and how they help the environment. Examine and touch live species of bugs, such as a Bess Beetle and the Madagascar Hissing Cockroach. Brave students may even hold a live insect in the palm of their hand!
Investigation and Inquiry, Life Science, Environmental Awareness

All About Me
What’s more interesting than YOU and ME?! Explore the wonders inside the human body with Mr. Bones, our inflatable skeleton and animal bone replicas. Students will also experiment with the five senses by becoming listening, feeling, and smelling detectives and even get to make their own “snot” to take home!
Investigation and Inquiry, Physical Science, Life Science

Space Explorers
Join us as we travel the vast solar system. Your class of space explorers will learn about astronauts as they try on a space helmet and travel to the inner and outer planets of our solar system with hands-on inflatable planets. We will also learn about the sun while making “sun-indicator” necklaces, and watch the beads change color as we head outside to observe the effects of this giant star.
Investigation and Inquiry, Earth and Space

Touch Tank (only at the Science Center)
Your students will experience ocean organisms through observation, touch and fun narration. They will learn how animals are interdependent upon another and the environment while learning that all animals are alike in some ways and different in others. They will discover how these creatures have internal and external structures that keep them alive, help them grow, and reproduce.
Investigation and Inquiry, Life Science, Environmental Awareness

Wacky Weather
Earth’s wacky weather can control what we wear, what we do and what we eat. Interact with our wacky weather puppets as we explore sun, rain, clouds, snowflakes and rainbows. Students will experience very cold through hands-on ice cube experiments and very hot while making sun-indicator necklaces to view outside. Students will also get to make their own “snow.”
Investigation and Inquiry, Physical Science, Earth and Space

Balloons and Bubbles
If your class is fascinated with bubbles, this chemistry program is for you! Using dry ice, students will be amazed as we “magically” blow up a balloon and make bubbles filled with smoke. Students will help make their own bubble solution and bubble-wands to try outside.
Investigation and Inquiry, Physical Science

We are the Dinosaurs
Have dino-sized fun as we transform into paleontologists and learn about the world of Tyrannosaurus rex, Stegosaurus and Triceratops. Your class will examine toy dinosaur species and real dinosaur fossils, as well as role play some of our favorite dinosaurs. As we learn about the dinosaurs’ extinction, students will handle a real meteorite and watch a volcano erupt!
Investigation and Inquiry, Life Science

Fun with Science For Early Learners
Have the South Florida Science Center come and take over your event or family fun day! We offer 10 interactive science activities, experiments, and demos that will excite your early learners and amaze their families! Students will examine the micro-world with a digital handheld microscope, hold a giant millipede in the palm of their hands, create sounds using thunder tubes, and write secret messages that glow in the dark under a black light. Schools supply a large room, 10 tables, and 10 volunteers. The Science Center brings the rest!
Labs

**New! - Digging Around the World**
Explore the wild world of Pangea on this program that complements our new Dinosaurs Around the World exhibit. Students will step back in time, transforming into paleontologists and digging for fossils.

**Investigating Insects**
Become an entomologist by observing insects and exploring some of the oldest living creatures on earth. Hold live insects in the palm of your hand as we discuss habitats, characteristics and the beneficial role that insects play in our environment.

**Panthers Physics Lab**
This program, sponsored by the Florida Panthers hockey team, is a great introduction to the fascinating concepts of gravity, force, inertia, friction, and motion. Students use real-life examples to show that Newton's Laws of Motion extend beyond the classroom.

**Everglades: All About the Alligator (only at the Science Center)**
This program introduces students to the most fascinating ecosystem in southern Florida, demonstrated through the eyes of its top predator, the American alligator. Students will learn all about food webs and about the anatomy of a real alligator.

**Chemical Concoctions**
This program is designed to reinforce chemistry concepts, such as atoms, density, and chemical change. Students use the scientific process and conduct experiments that will help them understand the difference between the states of matter on an atomic level. At the end of the lab, students will have the opportunity to make their own polymer.

**Adventures of Professor Clark the Science Shark**
Explore the fascinating world of sharks by examining real shark jaws, studying unique shark senses and listening to an adventure of Professor Clark the Science Shark. At the end of the lab, students will create their very own shark tooth necklace.

Demos

**Señor Stuffee**
This program gives participants the opportunity to learn about human anatomy, health and nutrition in a live demonstration! Students will be amazed and engaged when interacting with Señor Stuffee, a 7-foot tall stuffed doll with internal organs made from cloth.

**Nitromania**
If you're interested in the "coolest" science for your young learners, check out this liquid nitrogen program! This program shows students the physical properties of two of the most important chemicals on Earth: water and nitrogen. Students will see physical changes occur before their very eyes as they learn about the states of matter.

**Touch Tank (only at the Science Center)**
Your students will experience ocean organisms through observation, touch and fun narration. They will learn how animals are interdependent upon another and the environment while learning that all animals are alike in some ways and different in others.

**Exciting Electrons**
This electrifying program includes many classic energy demonstrations sure to make students’ eyes light up! From testing the strength of an electro-magnet to experiencing the static electricity from a Van der Graaf Generator, this program is full of hands-on participation which is the key to understanding magnetism and electricity.
Grades 4-8 Education Programs

**New! - Digging Around the World**
Explore the wild world of Pangaea on this program that complements our new Dinosaurs Around the World exhibit. Students will step back in time, transforming into paleontologists and digging for fossils.

**New! - Let's Fish!**
Become a fishery biologist on this exciting collection expedition! Help identify freshwater fish and crustaceans in our local aquatic areas right outside the Science Center while exploring the many facets of marine biology and field research.

**Technology Today**
Have you ever built a modular robot? This program provides a basic introduction into the vast and varied world of electronics and computer science. Using the latest advancements in modular electronics, students will learn the logic behind basic computer programming and practice problem solving by creating real working automated machines.

**Chemical Concoctions**
This program is designed to reinforce chemistry concepts, such as atoms, density, and chemical change. Students will use the scientific process and conduct experiments that will help them understand the difference between the states of matter on an atomic level. Upon exploring polymers, students will have the opportunity to make their own!

**Investigating Insects**
Become an entomologist by observing insects and exploring some of the oldest living creatures on earth. Hold live insects in the palm of your hand as we discuss habitats, characteristics and the beneficial role that insects play in our environment.

**Mining for Treasures**
Students will discover what it is like to be a geologist in this exciting exploration into the world of minerals. They will test various minerals to determine their hardness, luster and magnetic properties. During this class students will also be given the chance to pan for their very own minerals in our gem mining sluice to take home with them.

**Heart in Motion Lab**
Students will be amazed as they use EKG (electrocardiogram) machines to monitor heart rate, compare active versus resting cardiograms and work with their own model heart. Emphasizing a healthy lifestyle, this program focuses on the heart: its function, its importance, and the details behind how it works.

**Engineering is Elementary**
Can you build a wind-powered heavy-lifting machine? Can you design the perfect bridge? This program lets students gain firsthand experience with the processes of engineering and design. Logical thinking, problem-solving, and creativity all play an important role as students plan, design, build, test, and tweak a project that solves a physical engineering challenge. This hands-on lab, developed by the Museum of Science in Boston, is perfect for bringing out your student's inner engineer.

**Brain in Action**
Hold a brain in the palm of your hand as we take an inside look at the brain, its neurons, and the nervous system. Through hands-on exploration, students will see how this three pound organ, the brain, makes all five senses work, while also learning about what might affect the proper function of the brain. This class was designed in collaboration with scientists at the Max Planck Florida Institute for Neuroscience.

**Pollinating Plants and Flower Dissection**
This hands-on lesson plan is designed to introduce elementary students to the parts of a flower through an observational lab activity. Learn about the life cycle of a plant by sorting the parts of a flower and discover what each part does and how it contributes to the life cycle of living things. Enjoy an interactive flower dissection activity and find out more about the flower petals, sepals, anthers, stamens and much more!
Shark Tooth Lab
Explore the fascinating world of sharks and their relatives. Working together, students will utilize scientific observation to sort and classify genuine fossil shark teeth, examine real shark jaw specimens, learn about various shark habitats, and create their own shark tooth necklaces.

Panthers Physics Lab
This one-of-a-kind program, generously sponsored by the Florida Panthers hockey team, is a great introduction to the fascinating concepts of gravity, force, inertia, friction, and motion. Our expert educator will incorporate hands-on team challenges, multimedia, and real-life examples to show that Newton's Laws of Motion extend beyond the classroom.

DNA in Motion
This hands-on science lab allows students to explore cells and DNA in an easy-to-understand, engaging manner. Students will use cell models to explore the different parts of an animal cell, take a look at their own cells, and work as genetic scientists to isolate DNA using real world technology!

Dissections
Students enjoy expanding their knowledge of body systems with hands-on dissections. Study anatomical structures and how these relate to function in a squid, frog, spiny dogfish shark, fetal pig, bird or owl pellets. Our expert educator will provide specimens, equipment and any worksheets.

Crime Scene Sleuth Lab
Your students will become crime scene investigators in this hands-on forensics lab as they go through the steps of the scientific method to hypothesize who committed the crime, analyze the evidence and draw a conclusion of “who done it?”
Big Ideas: 1, 2, SC.5.N.1.5, SC.5.N.1.6, SC.5.N.2.1, SC.6.N.1.2, SC.6.N.2.2-3, SC.7.N.1.3, SC.8.N.1.5-6, LAFS.K12.SL.1.1, LAFS.K12.SL.1.2

Cleaning the Everglades (Grades 6-8)
This hands-on lab investigates the pollutants in South Florida waters and offers an inquiry-based approach to determining potential cleaning methods.

Circuit Science
Take an electrifying look at how electricity gets around. This hands-on lab allows students to create their very own functioning electrical circuits and introduces some fundamental concepts like open vs. closed circuits, the difference between conductors and insulators, and much more.
Students will use their new-found knowledge to construct a simple motorized robot of their very own!

Thunderstorms, Tornadoes, Hurricanes, Oh My! (only at the Science Center)
Let us share the excitement of weather and climate with your class through hands-on activities, engaging narratives, and a look at real-time data using our Science on a Sphere (SOS) exhibit. This program provides an overview of how extreme weather is created and how real weather observations form the basis of all forecasts. Take an up-close look of how lightning is formed, see how hurricanes are tracked, and create your very own tornado!

Exciting Electrons
This electrifying program includes many classic energy demonstrations sure to make students’ eyes light up! From testing the strength of an electromagnet to experiencing the static electricity from a Van der Graaf Generator, this program is full of hands-on participation which is the key to understanding magnetism and electricity.

Nitromania
If you’re interested in the “coolest” science for your young learners, check out this liquid nitrogen program! This program shows students the physical properties of two of the most important chemicals on Earth: water and nitrogen. Students will see changes in matter occur before their very eyes and understand the atomic and molecular behavior behind the phenomena.

New! - The Great Shark Trek
Students will learn how to tag and track sharks just like the experts in this program that investigates where the big sharks like to live. Using real field equipment and creative problem solving skills, the students will enter the exciting underwater world of these ancient predators and discover the reasons sharks are so important to our oceans.
Big Ideas: 14, SC.912.L.14.50, SC.912.L.15.6, LAFS.K12.SL.1.1, LAFS.K12.SL.1.2

New! - Let’s Fish!
Become a fishery biologist on this exciting collection expedition! Help identify freshwater fish and crustaceans in our local aquatic areas right outside the Science Center while exploring the many facets of marine biology and field research.
Virtual Classroom
Visit our virtual classroom where teachers can easily log on and see all the curriculum for each class we offer. Simply go to sfsciencecenter.org and under the Education tab click on Primary Education Guide. Click on a program to view the complete Next Generation Sunshine State Standards and Florida Standards each program covers.

Professional Development Workshops
Multiple workshops are held during each school year. Topics include but are not limited to various dissections, chemistry labs and life science topics. For all workshops, pre-registration is required. The workshops are free and teachers have a chance to receive in-service credit hours for participation. Our first professional development workshop for the 2015 - 2016 school year starts on October 23rd during our STEM Open House.

A2Sci
A2Sci is Anytime, Anywhere Science, an exciting online resource designed by the South Florida Science Center in collaboration with the School District of Palm Beach County, The Education Network, and Plausible Productions. The programs are targeted to fourth and fifth grade students and these lessons are available to all teachers in Palm Beach County via the South Florida Science Center's website sfsciencecenter.org and the School District's on-line resource library, Learning Village.

Current online programs include:
- Everything Everglades
- Rotation And Revolution: Planet Earth In Motion
- Earth And Moon: Partners In Space
- To The Moon
- The Science Of Fizz: Carbon Dioxide
- Weathering And Erosion: Break It Down

ARE YOU A MEMBER OF THE SCOUTS OR ANOTHER YOUTH GROUP?
Have your meeting or arrange a sleepover at the Science Center!
Brownie Badges include My Best Self, Home Scientist, Senses, Bugs, Inventor and Pets
Girl Scout Junior Badges include Staying Fit, Entertainment Technology, Detective, Gardener, and Animal Habitats
Webelos Activity Badges include Science and Geologist
Cub Scouts Belt Loops and Pins include Geology, Astronomy, and General Science
Minimum of 10 scouts per badge, 40 per sleepover. Cost is $6 for admission and $6 per scout per badge. Sleepovers are $35 per person. For more information, visit sfsciencecenter.org or call (561) 832-2026.

Homeschool classes are held on Wednesdays. Please check our website at sfsciencecenter.org for more information. Call (561) 832-2026 To Sign Up Today!
Cost per participant: $15 for members, $20 for non-members (Fee includes admission to the Science Center and class for one child and one adult)

STEM Studio is a collaborative space aimed to educate students from preschool to high school. Opening Fall 2015.
112 Main Street, Jupiter, Florida 33458
facebook.com/stemstudio

SCIENCE HOMESCHOOL CLASSES
We offer homeschool classes for K-2nd grade, 3rd through 5th grade, and middle school students on a variety of topics. Classes involve fun experiments and interactive laboratories designed to present a rich science experience, increase students’ critical thinking skills, engage students in active discussions, and enrich the school curricula.

Homeschool classes are held on Wednesdays. Please check our website at sfsciencecenter.org for more information.

TEACHER STEM OPEN HOUSE
October 23, 2015
The South Florida Science Center and Aquarium is partnering with the Palm Beach Zoo for an exciting professional development opportunity focused on STEM (Science, Technology, Engineering, and Mathematics) activities. Visit the largest aquarium from Miami to Orlando, take a behind the scenes tour of the state-of-the-art zoo animal hospital, participate in live science and animal demonstrations, and build, tinker, and explore activities in our Science Showcase area!
Open House is for teachers in grades K-12, is free of charge and teachers receive in-service credit hours for the event. Teachers will also receive a complimentary lunch.
Nights at the Museum - Last Friday Night of Each Month, 6pm-9pm
Each Night at the Museum is a different theme, which includes various interactive science crafts, activities, entertainment, exhibits, planetarium shows and a chance to view the night sky in Palm Beach County’s only public observatory!

August 28, 2015 - Kabam! Chemistry
September 25, 2015 - Forces of Nature
October 30, 2015 - Spooky Science
November 27, 2015 - Diggin’ Dinosaurs
December 25, 2015 - No Nights at the Museum (Happy Holidays!)
January 29, 2016 - Space Explorers
February 26, 2016 - Sweet Science
March 25, 2016 - Wizard’s World
April 29, 2016 - Pirates Night
May 27, 2016 - Spring Into Science
June 24, 2016 - Safari
July 29, 2016 - Superhero

GEMS Club - Last Tuesday Of Each Month 5pm-7pm
GEMS Club (Girls Excelling in Math and Science) offers the perfect opportunity for young girls to learn and grow as they discover the exciting world of math, science, engineering and technology! Presenters and activities vary and correlate with educational themes such as robotics, archaeology, engineering and coding. $5 registration per child per session.

Family Fun Fest - Saturday, October 10, 2015
Join us for the 5th Annual Family Fun Fest at the South Florida Science Center and Aquarium! Enjoy a day packed full of family fun that your kids won’t want to miss! Activities include live entertainment, science-themed crafts, face painting, science labs and more.

Hack Shack Tech Club - First Thursday of each month, 5pm-7pm
This new club gives children the opportunity to explore science and technology in a whole new way as we experiment with computer programming and even design your very own video games! Open to 5th-8th grade students $15 for members and $20 for non-members per session. Call (561) 832-2026 for details!

Science of Chocolate - Saturday, February 20, 2016, 11am-5pm
Visitors will learn the science behind how chocolate is made, the chemical properties of chocolate, as well as its potential health benefits. Activities include liquid nitrogen chocolate ice cream, frozen chocolate molds, chocolate samples, a never-ending chocolate fountain, and chocolate-related crafts and activities. This event is free with paid Science Center admission.

DinoFest - Saturday, March 26, 2016, 10am-4pm
A day-long celebration of dinosaurs! Hunt for dino eggs, dig for fossils, create your own dinosaur and learn about the quest for fossils with a real paleontologist. This event is free with paid Science Center admission.

Drop It, Build It, Float It, Launch It, Thrill It Engineering Competition - April 9, 2016
The Science Center in partnership with the Florida Engineering Society provides the ultimate out-of-school science competition to elementary, middle & high school students, offering cash prizes for the top three winners in each of the five categories while enjoying a fun-filled family day of science.
In Preparation For Your Visit

BEFORE CALLING THE SCIENCE CENTER TO BOOK A VISIT
✓ Verify your dates with your school administration
✓ Confirm transportation availability
✓ Determine how many students and chaperones will be visiting (see chaperone notes)
✓ Choose a Science Center exploration or add an educational program

Once you have all of this, call us at (561) 832-2026! Please call between 9am and 4pm, Monday through Friday. If you need to leave a message, be sure to include the time and date of your request, your organization name, the number of students, and the best way to reach you.

After you schedule your visit with us, you will receive a confirmation fax or email. Please sign and return the form.

ON THE DAY OF YOUR VISIT
• Please arrive 15 minutes before your scheduled time, to ensure a great experience.
• Buses can drop students off at the front entrance and then park in designated spots, west of traffic loop. Vehicles may not remain parked in the traffic loop. Drivers can enter exhibit area at no charge.
• When you arrive, please know the total number of students and chaperones in your group. The group leader will need to check in at the front desk upon arrival.
• Your group will be greeted by Science Center staff and directed to your first activity.
• Students must be supervised by their teacher at all times.

LUNCHES
There are picnic tables available for groups for your lunch or snacks. If possible, we recommend leaving coolers, etc. on the bus until lunch time.

CHAPERONE NOTES
One chaperone is required per 10 students at $6.00 per chaperone. Chaperones must be accounted for when final headcount is submitted.

ON THE DAY OF THE CLASS
• Due to material limitations, presentations may not be able to be added the day of the program.
• Our science educator will need a table at the front of the room. Laboratories require students to be seated at tables and access to a sink.

OUTREACH PROGRAMS
Have the Science Center come to you! Our science educator will bring a kit of materials and equipment to teach many of our programs at your school.

PAYMENT POLICY AND FEES
• A 20% non-refundable deposit is due within 14 days of confirming your reservation.
• No refunds or credits will be made for no-shows the day of visit.
• Final payment must be received by the day of your visit, or reservations are subject to cancellation and your group may not be admitted. NO REFUNDS WILL BE GRANTED.
• On the day of your scheduled visit, check in for your group at the Front Desk under your group/contact name. Additional tickets may be purchased at the group rate, on the day of your scheduled visit, providing space is available.
• Acceptable forms of payment are check, money order, or credit card (Visa, MasterCard).
• Please make checks or money orders payable to South Florida Science Center and Aquarium and mail to: South Florida Science Center and Aquarium 4801 Dreher Trail North, West Palm Beach, FL 33405, Attention: Group Sales.
• Surcharges may apply for special event days and holidays.
• Science Center Memberships, coupons and other discounts are not applicable with school group rates.
• Teacher Members receive $25 off the total cost of their first program.
• Instructors reserve the right to stop program at any time if student behavior is inappropriate.

Program Costs

OUTREACH PROGRAMS (AT YOUR SITE)
Outreach Mileage Fees (per mile) $1
Demos (up to 75) $250
Additional Demo (up to 75) $125
Lab Program [+ $3]
Shark or Pig Dissection (per student, min 15) $12
Discovery Dome Planetarium Outreach (up to $150) $375
New! Fun with STEAM program $425
Fun with Science / STEM / Math program $375
Early Childhood program (up to 25) $200
Additional Early Childhood Program (up to 25) $100

Program Requested

Science Center Visit & Program Request Form

PLEASE FILL OUT THIS FORM COMPLETELY AND MAIL, FAX OR EMAIL TO: South Florida Science Center and Aquarium, Attn: Group Sales Office, 4801 Dreher Trail North, West Palm Beach, FL 33405; Fax (561) 832-4461; or programs@sfsciencecenter.org.

Allow one to two business days for an email confirmation and please note that your reservation date is not secured until our group sales office has contacted you with a confirmation.

Teacher’s Name: ____________________________________________ Phone: ________________________
Preferred Email: ____________________________________________
School Name: ____________________________________________ Fax: ________________________
School Phone Number: ________________________ Grade Level: ________________________
Number of Teachers: ________________________ Number of Students: ________________________ Number of Chaperones: ________________________
Date of Visit: ________________________ Arrival Time: ________________________ Alternative dates for visit: ________________________

Activity (choose one)
✓ Exploration at Science Center only
✓ Outreach Program at School
✓ Exploration at Science Center and Program (list programs below)

Program Costs

Programs Requested

A 20% non-refundable deposit is due within 14 days of confirming your reservation. Final headcount and full payment are due 14 days prior to your scheduled visit. NO REFUNDS WILL BE GRANTED. You must cancel at least 24 hours before your scheduled program by phone or email to avoid a $50 cancellation fee.
FUN WITH STEM

Have the South Florida Science Center and Aquarium plan a mind-blowing STEM event for your students and parents. Day or night, each program offers 20 interactive activities, experiments, and demos that are sure to amaze! Schools supply a large room (Cafeteria), 20 tables, and 20 volunteers. The Science Center brings the rest! Cost is $375 per program ($425 for Fun with STEAM program).

Please call (561) 832-2026 or email programs@sfsciencecenter.org for more information.

NEW! - FUN WITH STEAM
Squish non-Newtonian fluids, observe a 3D printing station, enter an immersive digital world using the Oculus Rift Virtual Reality Headset, and create awesome spin-art designs with a Lego Mindstorms Spin Art device.