

EXPLORE MOSI



Spark your students' curiosity in STEAM (Science, Technology, Engineering, Art, and Mathematics) through MOSI's immersive, hands-on exhibits. Each experience encourages exploration, critical thinking, and creativity while helping students make meaningful connections to real-world science.

I Wonder! - What? Why? How? Get curious about the basics of physics, optics, geology and math. Lie on a real bed of nails, move a giant pendulum using nothing but magnets and challenge a friend to test your strength in a game of Tug-o-War.

Dinovations Lab - Take a trip into the past and explore our Dinovations Field Lab! Get an up-close look at our fossilized Diplodocus, a massive herbivore from the Jurassic Era. Examine real fossilized remains using MOSI's microscopes and discover the details of ancient life. Step into the role of a dinosaur movie director with our stop-motion animation station, or become a dinosaur yourself to see if you can survive in our immersive "Be the Dinosaur" simulation.

Slippery Science - MOSI has partnered with the Tampa Bay Lightning to bring the science of hockey to life. Have you ever wondered what our Lightning players wear when they step out on the ice? How about how they paint the rink? Don't forget to see if you have what it takes to be an athlete by testing out your reaction time!

Mission: Moonbase - Come explore MOSI's simulated permanent lunar base! Funded in part by NASA, Mission: Moonbase offers a unique experience to see what life might be like on the moon in 2070. Utilizing enhanced augmented reality simulations, and virtual views of the moonscape, explore what it would mean to live in a lunar outpost! What tasks would suit you best? Could it be driving a rover, or collecting minerals? Mission: Moonbase incorporates STEAM every step of the way as guests experience the day-to-day operations of MOSI's futuristic outpost!

Space Walk - One small step for man... one giant leap for MOSI guests! This exhibit features items from human's travels into space. See how your foot matches up to the space boot worn by our fearless astronauts! Get up close and personal with a rock taken off the surface of the moon! Learn about the International Space Station and the new face of industry in space!

MOSI Mind Mysteries - Join MOSI in our mind-bending exhibit – Mind Mysteries. Come with a friend, and learn what it is to be a 'Puzzle Person'. Fool your eyes with illusions that'll have your brain spinning! Have your picture taken with your head served up a la carte! Using geometry, mirrors, optical illusions, and mind tricks, our Mind Mysteries exhibit has it all!

Aviation Evolution - Encounter walls that react to your touch, complete puzzles that tell the story of aviation, and test your own skills by building paper airplanes and helicopters - all with a real experimental aircraft suspended just over your head. From human's earliest dreams of flight to our modern age of space stations and satellites, explore the inventions and people who've taken aviation to new heights as you find your way to the finish.

LIVECycles Butterfly Garden - Step into our butterfly garden and explore an enclosure filled with native plant species that support local ecosystems. Observe butterflies as they feed from flowers and look closely to spot caterpillars inside our flight cage, discovering each stage of the life cycle. As you explore, students will practice observation and identification skills while learning to recognize some of Florida's most common butterfly species. This experience supports life science standards by exploring ecosystems, plant-animal interactions, and the structure and function of living organisms.

Flight Club Drone Zone - Immerse yourself in the wonders of flight by engaging with drones. Take control of real drones, completing exciting challenges. Whether you're soaring through obstacle courses or navigating virtual landscapes, this exhibit offers a thrilling flight.

Be the Astronaut - Become space explorers, learning the STEM concepts behind real-life missions. From mission planning to hands-on spaceship controls, every step immerses them in the science of space travel. Realistic simulators let them land on the Moon, cruise to Mars, and even venture into deep space. It's a perfect blend of learning, problem-solving, and fun!

Hurricane Tube - Come face-to-face with Earth's mightiest storm - The Hurricane! Join MOSI in experiencing gale force winds of 70+ MPH. Grab a couple of friends, and see just how dangerous these winds can be in the safety of our hurricane tube!

Idea Zone - There is always a project to build in MOSI's makerspace and fab lab! From high heels to a new hand, get up-close with examples of how 3D printing is changing our world. Come build robots and make electricity with our team of inventors and tinkerers that always have hands-on projects waiting for you. Idea Zone is home to different themes and projects each month, so there's always something new to see and do at MOSI!

The Science of...You - Peek inside the human body and discover how nutrition, fitness, medicine, and technology work together to create a healthier YOU! Use the power of your mind to play Mindball, or take on a life-size version of Operation. Try on distracted driving goggles to experience how different factors can affect your vision and coordination. Explore healthy choices and crawl through a larger-than-life digestive system to see how your body processes food. Students will engage in critical thinking and real-world applications of science as they investigate what it means to live a healthy life.

Dinovations Dig - Take a step back in time and become a paleontologist in Dinovations Dig, our hands-on fossil excavation experience in Science Park. Kids can dig through a fossil bed to uncover dinosaur bones. Once the fossils are found, they'll work together to assemble dinosaur skeletons, just like real scientists. It's a fun and educational adventure that brings the prehistoric world to life!

MOSI Marketplace - The MOSI Marketplace offers guests a fun and engaging way to extend their learning beyond the exhibits. Featuring a curated selection of science kits, educational toys, plush, and unique souvenirs, the Marketplace encourages curiosity, creativity, and discovery. Whether students are exploring STEM concepts or taking home a memorable keepsake, the MOSI Marketplace provides something for every young innovator to continue the experience long after their visit.

Discovery Vault Gift Shop - Don't forget to stop by the Discovery Vault during your visit! Packed with all your favorite NASA merchandise, this out-of-this-world gift shop features Astronaut Ice Cream, cuddly Plush Planets, space-themed souvenirs, and a galaxy of unique knickknacks perfect for curious minds of all ages. Whether you're picking up a memento or the perfect gift for a future astronaut, the Discovery Vault has something for every space enthusiast!

