



*Tour:*

## MATH IN MOTION

Middle School Edition

*Destination:*

**Orlando, Florida**

*Specialization:*

STEM, History & Culture

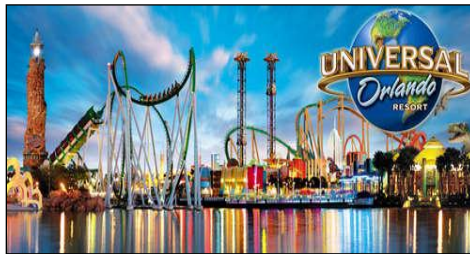
*Itinerary:*

6-days / 5-nights in Florida

# MATH IN MOTION - MIDDLE SCHOOL EDITION

## Orlando, Florida

Day	Morning	Afternoon	Evening
1	Travel to Orlando; transfer to hotel & check-in; Welcome & Safety Briefing		Welcome Dinner & Mini-Golf Challenge
2	Universal Studios Theme Parks (Islands of Adventure + Universal Studios) with Park Hopper Pass + Hollywood Rip Ride Rock-it Master Class (Roller Coaster Physics)		Hotel Dinner
3	NASA's Kennedy Space Center at Cape Canaveral		Hotel Dinner
4	Orlando Science Center + STEM Master Class	I-Fly STEM Master Class with Instructor-led Jumps	Wonder Works & the Outta Control Comedy Pizza Dinner Show
5	Wild Florida Wildlife Park & Airboat Eco-tour in the Northern Everglades	Universal Studios) with Park Hopper Pass + Kongtrol Panel Master Class (Positioning & Coordinates Systems)	Farewell Dinner & Wheel at ICON Park
6	Reflection Circle	Depart for Home	



As with all sample itineraries, please be advised that this is an 'example' of a schedule and that the activities and hotels shown may be variable dependent upon dates, weather, special requests and other factors. Itineraries will be confirmed prior to travel.



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## A Message From Our Team

At STEM Study Tours, we believe students learn best when they're immersed, engaged, and inspired. Every program is built with intention - blending hands-on discovery, academic depth, and meaningful experiences that help students see the world (and themselves) in new ways. Our goal is for each itinerary to spark curiosity, build confidence, and create moments students carry long after the trip ends. We're honored to partner with schools who share that vision and to help bring learning to life beyond the classroom.

— Michele & The Hammock Expeditions Team

## Why Travel With Hammock Expeditions & STEM Study Tours

Schools choose us because we design programs that are organized, intentional, and built around real learning. Our itineraries combine strong academics with smooth logistics, giving teachers confidence and giving students opportunities to explore, ask questions, and grow. We partner with trusted local experts, communicate clearly, and support groups every step of the way so educators can focus on their students - not the logistics.

## What Sets Us Apart

- **Purpose-Driven Itineraries** - Students actively participate in meaningful, real-world learning.
- **Safety, Structure & Professionalism** - From 24-hour support to vetted partners and clear communication, we ensure teachers can focus on their students while we handle the logistics.
- **Hands-On, High-Impact Learning** - Our programs emphasize field science, conservation, and experiential learning - the kind that sticks with students long after the trip ends.
- **Student-Centered Design** - We balance learning with fun, reflection with adventure, and structure with flexibility. Every day is crafted to keep students engaged, energized, and supported.
- **A Team That Travels With Purpose** - We're educators, planners, naturalists, and travel professionals who care deeply about student growth. Your goals become our goals.

## Our Commitment to You

When you travel with us, you gain a partner who understands your vision, anticipates your needs, and delivers an experience your students will remember for years to come. We're here to support your school, empower your students, and make every moment meaningful.

**We want to be your educational partner. Let us know how we may serve you.**

*Michele, Christina, Izzy, Dana, Taylor, and the Team*



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# Welcome to Orlando!

Welcome to Orlando, the heart of Florida's imagination and innovation! Known worldwide for its theme parks, Orlando is also a hub for science, technology, and environmental discovery — making it the perfect classroom without walls. From roller coaster physics at Universal Studios to hands-on STEM labs at the Orlando Science Center and NASA's Kennedy Space Center, students will explore how math powers motion, design, and discovery. Beyond the learning, Orlando offers sunshine, palm-lined streets, and unforgettable group experiences — from WonderWorks' comedy dinner show to a farewell night at ICON Park under the glow of The Wheel. It's a destination where curiosity meets adventure and every equation leads to excitement.



## Top 10 Florida Fun Facts

- › Sunshine State Stats: Florida averages over 230 sunny days a year — perfect for outdoor learning.
- › Roller Coaster Math: Universal's Hollywood Rip Ride Rockit reaches speeds of 65 mph and climbs a 167-foot vertical lift — a real-world lesson in slope and acceleration.
- › NASA's Launch Legacy: The Kennedy Space Center has launched every U.S. human spaceflight since 1968.
- › Underwater Highways: Florida has more than 700 springs — the largest concentration on Earth.
- › Everglades Ecosystem: The Everglades is the only place in the world where alligators and crocodiles coexist.
- › Math in Nature: The spiral shells found on Florida beaches follow the Fibonacci sequence, a natural math pattern.
- › Bridge Builders: The Seven Mile Bridge in the Florida Keys was once one of the longest bridges in the world — an engineering marvel.
- › Lightning Capital: Central Florida experiences more lightning strikes per square mile than anywhere else in the U.S. — a spark for weather science.
- › Theme Park Power: Orlando welcomes over 70 million visitors annually, making it one of the most visited cities in the world.
- › Sea Turtle Science: Florida beaches host five species of sea turtles, each returning to nest where they were born — a lesson in coordinates and migration mapping.



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## Day 1

Dinner on arrival, contingent upon arrival time

Welcome to sunny Orlando — the perfect launchpad for our Math in Motion adventure! Upon arrival, groups will transfer to the hotel and get settled before gathering for a Welcome & Safety Briefing to kick off the week. This short orientation introduces trip leaders, reviews daily logistics, and sets expectations for a fun, safe, and engaging experience. Students will learn how math connects to every part of their journey — from roller coaster physics to coordinate mapping — and get excited for the hands-on learning ahead. The evening wraps up with a Welcome Dinner and Mini-Golf Challenge, a lighthearted way for everyone to relax, meet new friends, and start building team spirit.

***Pirates Cove Mini-Golf Challenge*** - Kick off the trip with a lighthearted evening at Pirate's Cove Adventure Golf, just a short walk from the hotel. Students will explore winding caves, cascading waterfalls, and pirate-themed obstacles as they make their way through this award-winning mini-golf course. It's the perfect first-night activity — relaxed, fun, and a great way for students to meet new friends, shake off travel energy, and start building team spirit before the week's big STEM adventures begin.



## Day 2

Breakfast & dinner included; lunch on own

Today's activities include:

***Universal Studios Theme Parks*** - Enjoy a full day of exploration at Universal Studios Florida and Universal's Islands of Adventure with a Park-to-Park pass, giving students access to both parks and the chance to ride the Hogwarts Express between them. From movie-themed attractions and immersive lands to high-energy coasters and interactive shows, students will experience the creativity, engineering, and storytelling that make Universal one of Orlando's most exciting destinations. With two parks to discover, the day is packed with adventure, hands-on learning moments, and plenty of unforgettable thrills.



***Rip Ride Rock-it: Roller Coaster Physics Master Class*** - During the day, students will take part in Universal's Hollywood Rip Ride Rockit: Roller Coaster Physics program — a hands-on STEM workshop that turns one of the park's most iconic coasters into a real-world math lab. Using data, observation, and guided activities, students explore concepts like speed, acceleration, slope, angles, and g-forces, seeing how mathematical relationships shape every twist and drop. It's an engaging, high-energy session that connects classroom learning to real engineering and gives students a behind-the-scenes look at how theme park designers use math to create thrilling, safe attractions.



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### Day 3

Breakfast & dinner included; lunch on own

Today's activities include:

***NASA's Kennedy Space Center*** - Spend the day exploring America's gateway to space at the Kennedy Space Center Visitor Complex, where math, engineering, and imagination come together in unforgettable ways. Students will walk beneath the massive Saturn V rocket, experience the power of a shuttle launch in the Shuttle Launch Experience, and discover how NASA uses calculations, coordinates, and precision to send astronauts into orbit. From real spacecraft to hands-on STEM exhibits, KSC brings the science of spaceflight to life and shows students how the math they learn in school fuels missions to the Moon, Mars, and beyond.



**IMPORTANT TRANSPORTATION NOTE** – Please be aware that this day includes 10-hours of motorcoach time. As NASA is approximately a 1.5-hour drive from your hotel, the time reserved includes 3 hours of travel time plus 7-hours at NASA. If your school desires more time, we will be happy to book this for you but please be aware that motorcoach time is calculated hourly and you will be responsible for any additional fees incurred.

### Day 4

Breakfast & dinner included; lunch on own

***The Orlando Science Center & STEM Master Class*** - Dive into hands-on discovery at the Orlando Science Center, one of Florida's premier hubs for interactive STEM learning. Students will explore four floors of exhibits featuring engineering challenges, physics demonstrations, ecosystems, and cutting-edge technology. From building structures and testing forces to experimenting with light, sound, and motion, the center turns scientific concepts into memorable, real-world experiences that spark curiosity and confidence.

During the visit, students will participate in a **STEM Master Class** led by OSC educators, designed specifically for middle school learners. This guided workshop takes students deeper into the scientific process as they make predictions, run experiments, collect data, and draw conclusions using real lab tools. Whether they're testing forces and motion, exploring chemical reactions, or engineering solutions to a design challenge, the session reinforces classroom learning through active, hands-on investigation. It's an engaging, confidence-building experience that helps students see themselves as scientists in action.



***i-Fly Indoor Skydiving & Physics Master Class*** - Take learning to new heights with an unforgettable visit to iFly Indoor Skydiving, where physics, engineering, and pure adrenaline come together. Students begin with a STEM Master Class, led by trained flight instructors who break down the real science behind the vertical wind tunnel. Through demonstrations and hands-on experiments, students explore concepts like lift, drag, airflow, force, and body position, seeing how math and physics shape every movement in the air.



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After the workshop, it's time to suit up for instructor-led flights inside the wind tunnel. With expert coaching and real-time feedback, students feel how small adjustments in posture and balance change their motion — turning abstract STEM concepts into something they can literally experience. It's a thrilling, confidence-boosting session that blends learning with adventure and becomes a highlight of the trip.

**WonderWorks & The Outta Control Magic Comedy Dinner Show** – Enjoy an evening of hands-on discovery and high-energy entertainment at WonderWorks, Orlando's famous upside-down "laboratory" filled with more than 100 interactive exhibits. Students can lie on a bed of nails, feel hurricane-force winds, test their reaction time, and explore physics, light, sound, and engineering through playful, curiosity-driven activities. It's the perfect blend of learning and laughter, all within easy walking distance of the hotel.



The night continues with The Outta Control Magic Comedy Dinner Show, a fast-paced, family-friendly performance packed with magic, improv, and audience participation. Students enjoy an all-you-can-eat pizza dinner while the show keeps the energy high and the laughs constant. It's a fun, memorable evening that brings the whole group together and delivers a perfect mix of entertainment and student-friendly dining.

### Day 5

Breakfast, lunch & dinner included

Today's activities include:

**Wild Florida Wildlife Park & Airboat Tour** - Experience the wild side of the Sunshine State with an unforgettable visit to Wild Florida, where students explore Florida's unique ecosystems up close. The adventure begins with an airboat ride across the headwaters of the Everglades, skimming over marshes and wetlands while spotting alligators, wading birds, and native wildlife in their natural habitat. Back on land, students explore the Wildlife Park, home to more than 200 animals including sloths, lemurs, alligators, and exotic species from around the world. Interactive animal exhibits and keeper talks highlight conservation, adaptations, and biodiversity, giving students a deeper understanding of how Florida's ecosystems function and why protecting them matters. It's a high-energy, hands-on experience that blends adventure with meaningful STEM learning.



**Universal Studios Theme Parks** - Spend a second exciting day exploring Universal Studios Florida and Universal's Islands of Adventure with a Park-to-Park pass, giving students access to both parks and the chance to ride the Hogwarts Express between them. From immersive movie sets and interactive attractions to high-energy coasters and themed lands, students experience the creativity, engineering, and storytelling that make Universal one of Orlando's most dynamic destinations. With two parks to discover once again, the day is filled with fresh adventures, hands-on learning moments, and plenty of unforgettable thrills.



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**Kongtrol Panel Master Class** - During the visit, students participate in Universal’s Kongtrol Panel Master Class, an interactive STEM workshop that uses the Skull Island: Reign of Kong attraction to explore positioning, mapping, and coordinate systems. Through guided activities, students learn how ride designers use math to track movement, synchronize show elements, and create seamless storytelling experiences. By analyzing coordinates, spatial relationships, and timing, students see how precision and problem-solving power the technology behind modern attractions. It’s a dynamic, behind-the-scenes look at how math brings theme park adventures to life.

**The Wheel at ICON Park** – End the evening with a relaxing ride on **The Wheel at ICON Park**, Orlando’s 400-foot observation wheel offering stunning, panoramic views of the city. Students step into enclosed, air-conditioned capsules for a smooth, 20-minute rotation that showcases the lights of International Drive, the surrounding attractions, and the skyline beyond. It’s a peaceful, picture-perfect experience that gives the group a chance to unwind, reflect on the day, and enjoy Orlando from a whole new perspective.

### Day 6

Breakfast included, dependent upon departure times

**Reflection Circle** - Before heading to the airport, students gather for a final reflection on their week - a chance to celebrate everything they’ve learned, experienced, and accomplished together. From hands-on STEM labs to behind-the-scenes discoveries, they look back on the moments that challenged them, inspired them, and brought the group closer. It’s a warm, meaningful pause in the day where students share highlights, thank their leaders, and recognize how much they’ve grown. With new confidence, new friendships, and a deeper understanding of the world around them, the group begins their journey home - carrying memories that will stay with them long after the trip ends.

With the program complete and bags packed, it’s time to head to the airport and begin the journey home. Trip leaders offer a final round of well wishes, celebrating the group’s hard work, positive attitudes, and all they accomplished throughout the week. Students depart with new confidence, new friendships, and a sense of pride in everything they explored and achieved. Safe travels — and here’s to all the adventures still ahead.



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## Middle School Edition

**Minimum Booking Numbers:**

20 students

**What's Included:**

Round-trip flights or motorcoach  
5-nights' accommodation in Orlando  
Breakfasts & dinners daily starting with dinner on arrival and ending with breakfast on departure, based on travel times  
1 lunch on Day 5  
Transportation for programmed activities & airport transfers  
NASA's Kennedy Space Center & Visitor's Center  
Mini Golf Challenge at Pirate's Cove  
2-day Park Hopper pass to Universal Studios Theme Park & Islands of Adventure Theme Park  
Rip, Ride, Rocket STEAM App Master Class (Roller Coaster Physics)  
Kongtrol Panel STEAM App Master Class (Positioning & Coordinates)  
WonderWorks Admission + Pizza Party at the Outta Control  
Comedy Dinner Show  
Orlando Science Center Admission + STEM Master Class  
Wild Florida Wildlife Park & Airboat Eco-tour  
iFly Skydiving Physics Master Class with Instructor-led Jumps  
The Wheel at ICON Park  
Personal Tour Director  
24-hour emergency cover

**What's Not Included:**

Fully comprehensive insurance (**mandatory**)  
Baggage costs, pay directly to airline if required  
Baggage handling - everyone should be able to pull / load their own bag  
Transfers to/from home airport  
Lunches, snacks or beverages other than at designated mealtimes  
Meal selections other than ones provided for the entire group (we are generally able to cater for allergy conditions, vegetarians, halal and in some cases vegan)  
Cost of personal passports, visas or visa waiver fees  
Cost of inoculations or medication required for travel  
Sightseeing / Entertainment / Transport not shown in Itinerary  
Hotel incidental deposits & bills – mini-bar, movies, etc.  
Gratuities – drivers, hotel services, local guides, tour director  
Credit card fees if individuals wish to pay via credit card instead of ACH  
Additional taxes, fuel surcharges or fees levied by governments / suppliers

As always, our staff are always available to you to answer any questions you may have regarding programming. If we may serve you in any way, please do not hesitate to contact us.



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