



Tour:

SUNSHINE PHYSICS

Destination:

Orlando, Florida

Specialization:

Physics, Math & Space Science

Itinerary:

6-days / 5-nights in Florida

SUNSHINE PHYSICS - ORLANDO						
Day	Meals	Morning	Afternoon	Evening		
1	D	Travel to Orlando; transfer to hotel & check-in		Welcome, Safety & Orientation	Welcome Dinner Mini-Golf Challenge	
2	B, D	Universal Studios Theme Parks (Islands of Adventure + Universal Studios Theme Parks) + Roller Coaster Physics Master Class & Ride Design / Six Degrees of Freedom Master Class			Dinner at Universal Theme Parks	
3	B, D	NASA's Kennedy Space Center at Cape Canaveral - Day Trip			Wonder Works & Pizza Party	
4	B, D	Weather Balloon Engineering Master Class at Orlando Science Center	Lunch, Wildlife Park & Airboat Eco-tour at Wild Florida	I-Fly Physics Master Class with Wind Tunnel Jump	Hotel Dinner	
5	B, D	Universal Studios Theme Parks (Islands of Adventure + Universal Studios Theme Parks) + Master Class Choice (5+ options)			Farewell Dinner	
6	B	Free time in Orlando		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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Day 1

Dinner on arrival, contingent upon arrival time

Travel to Florida arriving at in the late afternoon or early evening. After boarding your coach you will be transferred to your hotel on International Drive. After check-in, we'll have our Welcome, Safety & Orientation meeting and get settled in. This evening we'll have dinner locally and then some fun with a Mini-Golf Challenge!

Sample Hotel: The Rosen Inn at Pointe Orlando – The Rosen Inn at Pointe Orlando is ideally located on Orlando's famous International Drive. This hotel's superb central location provides easy access to major attractions, including Universal Studios Florida. The hotel features three pool areas with landscaped gardens, gift shops, a video arcade, restaurant, sports bar and snack shop & deli. Rooms feature two full-sized beds to sleep 2 pupils per room, cable television, in-room coffee, hair dryers, in-room safes, microwaves and refrigerators.



Pirates Cove Mini-Golf Challenge - Plunge into the legendary world of 18th century buccaneers! Putt your way through mountain caves, across a full-scale pirate ship, over footbridges and under cascading waterfalls--all amid a fun-filled atmosphere of meticulously-kept landscaping and enchanting pirate lore.

Day 2

Breakfast & dinner included; lunch on own

Good morning Orlando! After breakfast, we'll transfer to Universal Studios Theme Parks. We'll have Park Hopper passes to explore both amazing parks – Universal Studios Theme Park and Universal's Islands of Adventure - and ride the Hogwarts Express to get back and forth! Wear your walking shoes!



Universal Studios Theme Park - Fun So Hard. It's just like watching your favorite TV shows and movies IRL, except with the ultimate ride-y things like twists, turns and drops. Face villains more menacing than your kids pre-churros. Save the earth daily or even hourly. Oh and dragons, have we got dragons! And one of them even breathes real fire so that's cool (err hot). This is way beyond the movies.



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Islands of Adventure Theme Park - Free Yourself to be Yourself. This is where it goes down. And up. And down again. To those who say “Yay adventure” we’re here for you. Superheroes. Magical creatures. A school of witchcraft and wizardry. Even dinosaurs (turns out, not so extinct). Take a ride, multiple rides. Some will drench you. Some will just mess up your hair. Some will make your head spin (figuratively speaking). All of them will say: Every island is a new reality.

While here’s we’ll participate in **two Master Classes** with the Universal experts!

Rip Ride Rockit – Roller Coaster Physics Master Class - Students learn a heart-pounding lesson in physics that teaches just what makes roller coasters like Hollywood Rip Ride Rockit so thrilling. In small groups, students use data they gathered to create a visual representation of the ride’s transfer of energy for a more cohesive understanding of physics principles. **Program Objectives:** 1) Explain and apply understanding of potential and kinetic energy. 2) Apply knowledge of the Law of Conservation of Energy to analyze rollercoaster data.



Transformers ROLL Out – Ride Design & Six Degrees of Freedom Master Class - Students learn about the engineering principles of the Six Degrees of Freedom and apply that knowledge to a hands-on analysis of TRANSFORMERS: The Ride - 3D. Students then use their new skills to reconstruct the ride vehicle’s motion sequences. **Program Objectives:** 1) Explain and model how the Six Degrees of Freedom are used in ride design and development. 2) Differentiate between translational and rotational movement.

Tonight, we’ll have dinner at the parks before heading back to our hotel for rest and relaxation.

Day 3

Breakfast & dinner included; lunch on own

Rise and shine for a spectacular space day! Today we’re heading to Cape Canaveral on Florida’s eastern coast, home to NASA’s Kennedy Space Center.

NASA’s Kennedy Space Center - At KSC, students step into the heart of America’s space program, exploring real spacecraft, towering rockets, and immersive exhibits that bring human space exploration to life. Their visit includes iconic experiences such as the **Apollo/Saturn V Center**, where the story of the moon missions unfolds beneath a massive Saturn V rocket; the **Space Shuttle Atlantis** exhibit, featuring the orbiter displayed as if in flight; and IMAX® films that place students alongside astronauts as they journey beyond Earth. Guided tours take students behind the gates to see launch pads, the Vehicle Assembly Building, and working spaceflight facilities that support NASA’s current and future missions.



What makes this experience meaningful is how it connects STEM learning, innovation, and real-world exploration. Students witness the engineering behind rocket launches, learn how NASA prepares for missions to the Moon and Mars, and see firsthand how science, technology, and teamwork drive human progress. Meeting a veteran astronaut,



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touching a piece of Mars, and exploring interactive simulators turn abstract concepts into unforgettable, hands-on learning - inspiring the next generation of explorers to imagine their own place in the future of space.

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.

After our full day at Kennedy Space Center, we'll enjoy a pizza dinner with a comedy show and then have fun at WonderWorks!

WonderWorks & The Outta Control Magic Comedy Dinner Show – Wonderworks is an amusement park for the mind, combining education and entertainment in over 100 hands-on exhibits for students of all ages. Students will feel the 65-mph hurricane force winds, be shaken by a 5.3 earthquake, play virtual sports, land the space shuttle, fly a fighter jet, lay on a bed of nails, design and ride their own roller coaster and even compete in a Laser Tag game in the world's largest Laser Tag Arena & Arcade.



Guests will also experience the “Outta Control Comedy/Magic Dinner Show” combining high-energy comedy improvisation with fun “magic” to thoroughly entertain audiences of all ages. During the show, schools will enjoy unlimited hand-tossed pizza, popcorn and soft drinks.

Day 4

Breakfast, lunch & dinner included

Good morning Florida! Following breakfast, we'll head to the Orlando Science Center.

Rise to the Challenge: Weather Balloon Engineering at the Orlando Science Center - Become an aerospace engineer by experiencing the battle between gravity and buoyancy. By collecting data and calculating the opposing forces, teams create a balanced attachment that will suspend a model weather balloon in the atmosphere.



This afternoon we'll switch gears and head out to explore Wild Florida!

Wild Florida - Located 45-minutes outside of Orlando, a visit into the northern Florida Everglades will be a grand adventure as you experience a part of Florida that hasn't changed much from when early pioneers arrived in covered wagons in the 1800s. Exploring the headwaters of the Everglades and learning about native and exotic animals, students will be able to see wild animals in their native habitat during an airboat tour through the Everglades Headwaters aboard a U.S. Coast Guard certified airboat. They'll see wildlife native to Florida such as alligators, eagles, roseate spoonbills, wild hogs and turkeys, just to name a few. Your captain can help students



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spot the wildlife found around Lake Cypress, give insight about each species with unique facts. In the Gator Park, they'll be able to see ring-tailed lemurs, two-toed sloths, African crested porcupines, and other exotic animals commonly found around the world. Wild Florida is a feast for the eyes and the soul.



Next, we're off for some physics flying!

I-Fly Indoor Skydiving & Physics Master Class - The STEM Master Class uses iFLY's unique vertical wind tunnel facility to make STEM exciting. Curriculum has been designed by STEM professionals and includes an interactive presentation based on engineering and physics, a lab activity including parachute investigation, and full training for indoor skydiving by IBA certified flight instructors. Each student will fly one-on-one with an instructor for 1 minute in the tunnel. High flights, 'rides' to the top of the tunnel and extra rides are available at an additional charge.



This evening, we'll have dinner in our hotel or a local option, dependent upon your lodging facility.

Day 5

Breakfast & dinner included; lunch on own

Rise and shine Florida! After breakfast in the hotel, we'll board our transportation and again travel to **Universal Studios Theme Parks**. Today we'll have a choice between various Master Class options (teachers pick **ONE** option prior to travel), followed by a day of fun in the parks. Master Class Options include:

Kontrol Panel - Bring students face-to-face with a sophisticated positioning system that controls an independently navigated ride vehicle through the rough, unpredictable terrain of Skull Island. By programming the ride vehicle commands to avoid collisions, students gain a hands-on understanding of how engineering principles translate into ride success.



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Behind the Adventure at Universal's Islands of Adventure – Students will have the opportunity to discover the science involved in creating the world's most technologically advanced theme park. Behind-the-Adventure showcases the physics, technology, horticulture and general sciences that went into designing and building this state-of-the-art theme park.

Special FX at Universal Studios Florida – A special effects program to discover the secrets of making movie magic at Universal Studios. Through this interactive tour of Universal Studios, students will learn, hands-on, about the arts and sciences used to create some of the most spectacular special effects in motion picture history and what it took to recreate those effects in some of Universal Studios' most popular attractions.

Our Weather: Planning for Nature - Meet with and learn from Orlando's own Amy Sweezy. In this unique live presentation, you'll see what goes into understanding weather patterns and the impact they can have on theme park guests.

Career Exploration & Preparation - Before students can really focus on a career, they must first discover their natural strengths. This module provides self-assessment tools to define several areas of interest for students, then covers the entire process from application to interview and personal brand to work values.

Leadership Skills & Personal Development - Leaders have the ability to influence others within an organization. In this experience, students are asked to take a good look at their own spheres of influence and assess the impact they may potentially make on others. They are provided tools they can use to positively influence their school or work environment and improve their personal people skills.



Afterwards, we'll enjoy our farewell dinner in Orlando.

Day 6

Breakfast included, based on departure times

Good morning Florida! It's time to pack up and head home! Following breakfast, we'll have the morning free then will start to say goodbye to Florida as we head off for our flight home; taking memories with us that will last forever!



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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 hotel breakfast timings)
- ✓ 1 Lunch at Wild Florida
- ✓ 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 passes to Universal Studios and Islands of Adventure Theme Parks
- ✓ Rip Ride Rockit – Roller Coaster Physics Master Class at Universal
- ✓ Transformers ROLL Out – Ride Design & Six Degrees of Freedom Master Class at Universal
- ✓ 1 additional Master Class at Universal (pick from multiple options)
- ✓ WonderWorks Admission + Pizza Party at the Outta Control Comedy Dinner Show
- ✓ Weather Balloon Engineering Master Class at Orlando Science Center
- ✓ Wild Florida Airboat Eco-Tour
- ✓ I-Fly Sky Diving Physics Master Class with Wind Tunnel Jump
- ✓ 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 and beverages other than at meal times
- ☒ 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)
- ☒ Sightseeing / Entertainment / Transport not shown in Itinerary
- ☒ Cost of personal passports, visas or visa waiver fees
- ☒ Cost of inoculations or medication required for travel
- ☒ 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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