



Tour:

Lone Star Science

Dallas & Ft. Worth, Texas

Itinerary:

6-days / 5-nights

Specialization:

Biology, Physics, Tech, Design, History & Culture

LONE STAR SCIENCE

Dallas & Fort Worth, Texas

Day	Morning		Afternoon		Evening
1	Travel to Dallas, Texas, transfer to Hotel and check-in; Welcome, Safety & Orientation Briefing		Dallas Sightseeing Walking Tour		Texas Welcome Dinner
2	Perot Museum of Nature & Science + STEM Master Class		Spark! Creativity + Workshop Program	Trinity River Audubon Center Naturalist Hike	Medieval Times Dinner Show
3	AT&T Cowboy Stadium STEM & Tech Stadium Tour	Texas Motor Speedway Racing Physics Tour	iFly with Physics Master Class & Instructor-Led Flights		Dinner & Free Time
4	American Airlines CR Smith Museum Visit		Botanical Research Institute of Texas + Master Class Tour		Dinner & Bowling Challenge / Main Event
5	The Herd: Stockyards Heritage Historical Walking Tour, Herd Demonstration, Texas Cowboy Hall of Fame & Cowtown Cattlepen Maze			JFK Historical Tour & 6th Floor Museum at Dealey Plaza	Farewell Dinner
6	Depart Dallas-Fort Worth area 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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Why Travel with STEM Study Tours?

Purpose-Driven Educational Travel - Every program is intentionally designed to blend STEM learning, cultural exploration, and hands-on discovery — turning each destination into a living classroom.

Student-Centered Experiences - We craft itineraries that balance learning, adventure, and fun, ensuring students stay engaged, inspired, and supported from start to finish.

Expert Planning & Seamless Logistics - From flights and hotels to museum programs and master classes, our team handles every detail so teachers can focus on their students, not the schedule.

Trusted Safety & Support - With dedicated Tour Directors, vetted partners, and 24/7 emergency coverage, groups travel with confidence knowing they're cared for every step of the way.

High-Impact STEM Programming - Our master classes, workshops, and behind-the-scenes tours are curated with educators and industry professionals to deliver meaningful, real-world learning.

Authentic Local Connections - We partner with museums, research centers, naturalists, historians, and cultural institutions to give students experiences they can't get from a textbook.

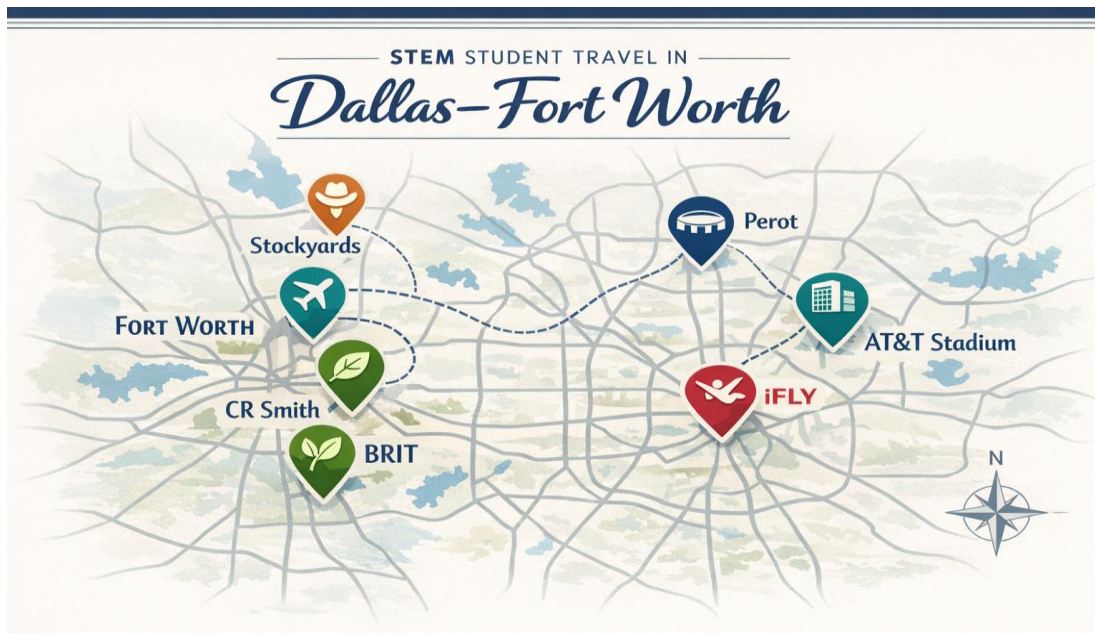
We want to be your partner in educational travel.

What Students Gain on This STEM Study Tour

- Collaboration & Teamwork**
Working together to solve challenges, complete activities, and support one another.
- Critical Thinking & Problem-Solving**
Applying logic, creativity, and evidence to real-world scenarios across STEM fields.
- Hands-On STEM Application**
Connecting classroom concepts to live demonstrations, master classes, and field experiences.
- Environmental & Cultural Literacy**
Understanding ecosystems, conservation, and the heritage that shaped Texas.
- Innovation & Design Skills**
Experimenting, prototyping, and exploring how ideas become solutions.
- Communication & Confidence**
Sharing observations, asking questions, and engaging with experts across multiple disciplines.

Did you know?

Fun facts and surprising stories from Dallas–Fort Worth



- › DFW is larger than the entire state of Rhode Island — and still growing.
- › Dallas invented the frozen margarita machine in 1971, now a Smithsonian artifact.
- › Fort Worth is home to the world's only twice-daily cattle drive, a living nod to the Chisholm Trail.
- › The Perot Museum was designed to look like a giant cube rising from the earth — inspired by Texas geology.
- › DFW Airport is bigger than Manhattan and has its own ZIP code.
- › The first convenience store, 7-Eleven, started in Dallas in 1927.
- › Fort Worth's Stockyards once shipped millions of cattle, earning it the nickname "Cowtown."
- › Dallas has more restaurants per capita than New York City, making it a major food hub.
- › The Texas horned lizard, the state reptile, can shoot blood from its eyes as a defense mechanism.
- › Fort Worth's Cultural District has five major museums within walking distance — one of the highest concentrations in the country.

Dallas & Ft Worth: Where Innovation Rides with Tradition...

In the heart of Texas, the Dallas–Fort Worth region blends cutting-edge science, aviation history, and authentic Western heritage. Students move seamlessly between discovery and tradition as world-class museums, research centers, and technology hubs meet the living legacy of the American frontier.

In Dallas, innovation shines. From the Perot Museum to the Frontiers of Flight Museum, students explore engineering, physics, and aerospace through hands-on master classes, flight labs, and interactive exhibits that bring STEM concepts to life.



Just west, Fort Worth highlights heritage, ecology, and community. Students experience living history at the Stockyards, explore sustainability at BRIT and the Trinity River Audubon Center, and see how conservation and culture shape the region today.

Together, these cities create a journey that celebrates both the future and the past — where students can study the physics of flight one day and the traditions of the cowboy trail the next.

Day 1

Dinner included

Today's activities include:

Dallas Sightseeing Walking Tour - Discover Dallas' fascinating history, incredible architecture, and unrivaled charm in this 2-mile walk. Our journey starts at the West End Historic District, the oldest part of the city, where we will visit Dealey Plaza, the Old Red Court House, and Founders' Plaza to hear about the city's beginnings and its founder. Further down our route, we will visit the former Dallas Morning News headquarters, the famous Mobile Oil Pegasus and the spectacular Pioneer's Plaza which features larger-than-life bronze sculptures, a re-creation of a Texas cattle drive with Texas longhorn steers being driven by three cowboys astride horses. We will walk through Main Street's incredible architecture and rich history, Tony Tasset's iconic Eyeball, The Adolphus, The Magnolia Building and the original Neiman Marcus. Finally, we will walk the Arts District, the largest of its kind in the USA. There is lots to see and experience in this area, from the city's most important art institutions to the incredible Klyde Warren Park. Put on your walking shoes!



Day 2

Breakfast & dinner included; lunch on own

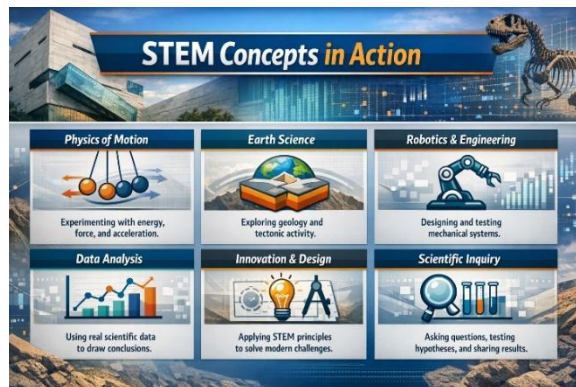
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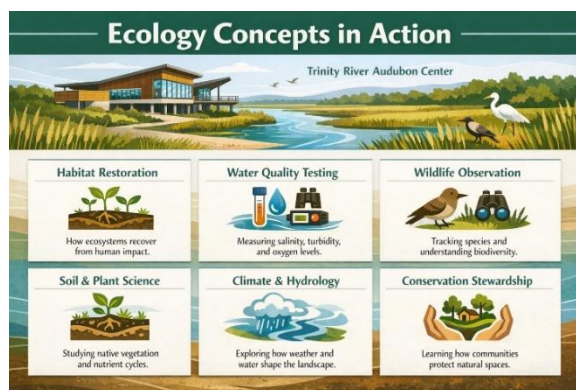
Perot Museum of Nature & Science - At the Perot Museum of Nature & Science, students dive into a world where geology, physics, biology, and engineering come alive through interactive, high-tech exhibits. From towering dinosaur skeletons to earthquake simulators and robotics labs, every gallery invites students to touch, test, and explore the forces that shape our planet and our future. During the STEM Master Class, museum educators lead students through a focused, hands-on investigation - whether analyzing real scientific data, engineering solutions to real-world challenges, or experimenting with the principles of motion, energy, and design. This immersive session deepens their understanding of STEM concepts while showing how scientists and innovators use these skills every day. Combined with time to explore the museum's iconic cube-shaped building and its cutting-edge exhibits, the experience sparks curiosity and connects classroom learning to the wonders of the natural world.



SPARK! Adventures in Creativity - At SPARK!, students step into a vibrant, hands-on world designed to ignite imagination and creative problem-solving. This immersive space encourages students to experiment, build, design, and think differently as they move through interactive installations and collaborative challenges. During the Creativity Workshop, teaching artists guide students through a focused project - whether constructing large-scale art, engineering imaginative structures, or exploring storytelling through visual design. The experience blends art, innovation, and playful exploration, showing students how creativity fuels STEM fields and real-world problem-solving. With its colorful environments and "try anything" atmosphere, SPARK! gives students the freedom to create boldly and discover the power of their own ideas. Possibilities include Design & Build a Vehicle Challenge, Roller Coaster Design Challenge, Can Mirrors: Transforming Art Designs through Compressed Reflections, and Constructing Thaumatrope.



Trinity River Audubon Center Guided Hike - On this guided ecology hike, students explore one of North Texas's most vibrant and diverse urban wildlands. Once an illegal dump site, the area has been transformed into a thriving habitat of wetlands, prairies, and bottomland hardwood forest - making it a powerful example of restoration ecology in action. Naturalists lead students along winding trails to identify native plants, track wildlife signs, and observe how water, soil, and climate shape the Trinity River ecosystem. Along the way, students learn about migratory bird pathways, the importance of riparian habitats, and the challenges facing urban conservation. With sweeping views, hands-on field observations, and real-world environmental science woven throughout, this hike helps students see how nature adapts, recovers, and thrives right in the heart of a major city.



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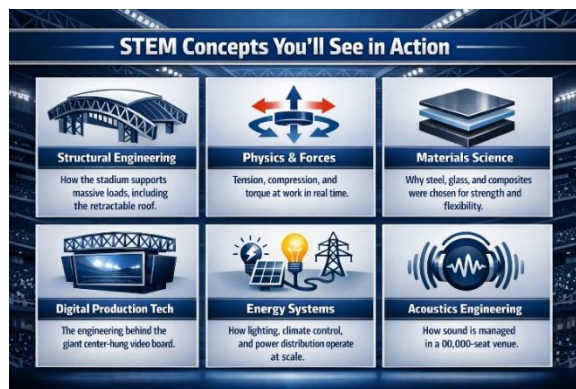
Dinner at Medieval Times – Step inside the Dallas Castle and transport your students to a world of chivalry, pageantry, and high-energy tournament competition. During this immersive dinner show, students cheer for their knight as they watch live jousting, swordplay, falconry, and equestrian performances featuring expertly trained Andalusian horses. A four-course feast is served as the story unfolds in the arena, blending medieval tradition with theatrical excitement. The experience brings history to life through action, music, and storytelling - making it a memorable and entertaining evening!

Day 3

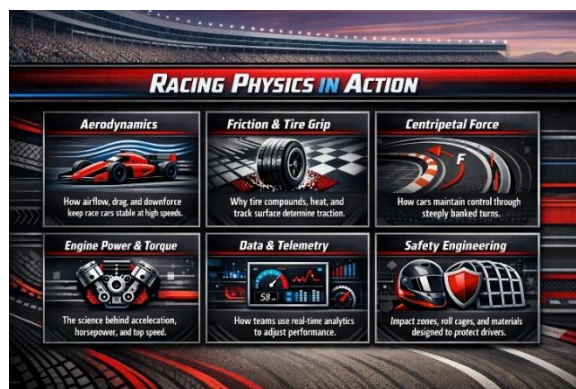
Breakfast & dinner included; lunch on own

Today's activities include:

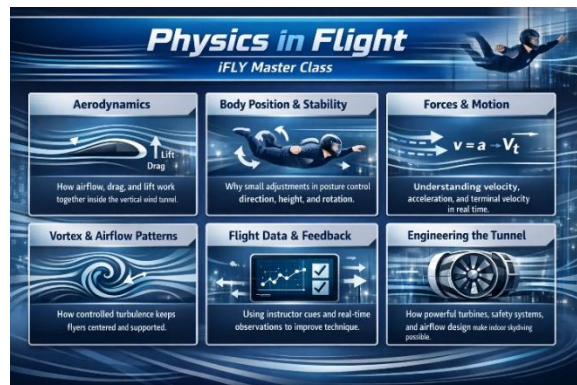
AT&T Stadium / Texas Stadium - At AT&T Stadium, students step inside one of the most technologically advanced sports venues in the world to explore the engineering, design, and innovation that power “the home of the Dallas Cowboys.” This STEM-focused tour takes students far beyond the field, revealing how architecture, physics, and cutting-edge technology come together on a massive scale. They'll learn how the retractable roof operates, how the world-famous center-hung video board is engineered to support millions of pixels, and how energy systems, acoustics, and structural design keep the stadium running during major events. Students visit press areas, locker rooms, and operations spaces while guides connect real-world STEM concepts - load distribution, materials science, digital production, and large-scale event logistics—to the stadium's design. It's an unforgettable look at how science and engineering shape one of the most iconic sports facilities on the planet.



Texas Motor Speedway: Guided Tour – At Texas Motor Speedway, students step into the fast-paced world of professional motorsports to explore the physics, engineering, and technology that make high-speed racing possible. On this behind-the-scenes STEM tour, they'll learn how aerodynamics, friction, downforce, and centrifugal force determine a car's performance on the track. Guides break down the science behind banking angles, tire grip, and engine power while students stand trackside to see the scale of the Speedway up close. They'll also discover how data analytics, safety engineering, and materials science shape everything from car design to race-day strategy. It's an adrenaline-charged look at physics in motion - where classroom concepts meet roaring engines and real-world innovation.



iFly Physics Master Class & Instructor-Led Jumps - At iFly, students step into a state-of-the-art vertical wind tunnel to experience the science of flight in a way no classroom can match. During the Physics Master Class, expert instructors break down the forces that make human flight possible - lift, drag, velocity, and stability - using real demonstrations and hands-on experiments. Students learn how airflow interacts with body position, how engineers design the tunnel to control turbulence, and how physics principles guide every movement in the air. Then comes the highlight: instructor-led jumps, where students suit up and feel the thrill of floating on a powerful column of air. With personalized coaching and real-time feedback, they see physics come alive as they adjust posture, balance, and motion to stay airborne. It's an unforgettable blend of STEM learning and pure adrenaline.



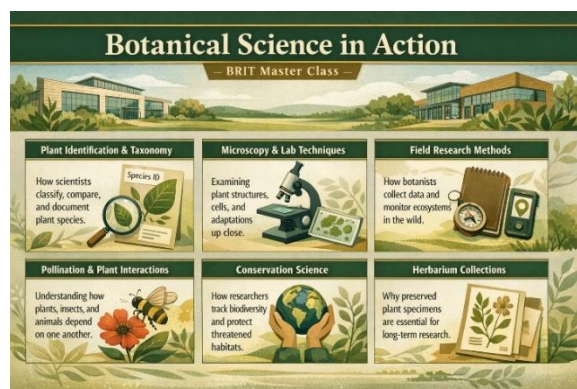
Day 4

Breakfast & dinner included; lunch on own
Today's activities include:

American Airlines CR Smith Museum Tour - The American Airlines CR Smith Museum gives students a dynamic, behind-the-scenes look at the science, engineering, and innovation that keep modern aviation in motion. Through interactive exhibits, historic aircraft, and immersive multimedia displays, students explore how aerodynamics, propulsion, navigation, and safety systems work together to power flight. The guided tour highlights the evolution of commercial aviation - from early propeller planes to today's advanced jets - while showcasing the technology and teamwork behind airline operations. Students also get hands-on with real aviation tools and simulations, connecting classroom STEM concepts to real-world careers in engineering, mechanics, meteorology, and flight operations. It's an inspiring look at the people and physics that make global travel possible.



The Botanical Research Institute of Texas Master Class Tour - At the Botanical Research Institute of Texas (BRIT), students step into a world of scientific discovery focused on plants, ecosystems, and the future of our natural world. During this hands-on Master Class, BRIT educators guide students through real research practices - examining plant specimens, exploring herbarium collections, and learning how botanists use field data to understand biodiversity and environmental change. Students investigate native Texas flora, study pollination and plant adaptations, and discover how scientists monitor ecosystems for conservation. The tour blends laboratory exploration with outdoor observation, giving students a powerful look at how botany, ecology, and sustainability intersect. It's an inspiring deep dive into the science that keeps our planet thriving.



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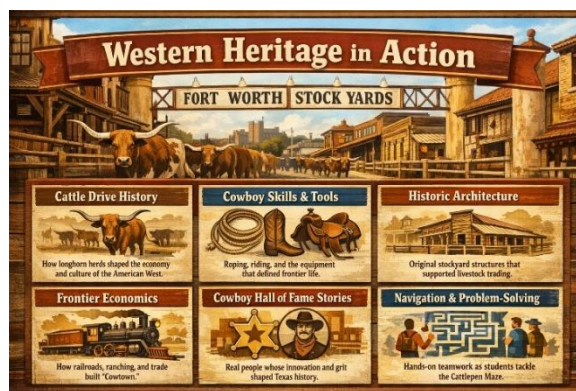
Bowling Challenge at the Main Event - At Main Event, students jump into a high-energy Bowling Challenge that blends friendly competition with pure fun. With music pumping, lanes glowing, and teams cheering each other on, the atmosphere is electric from the first roll to the final frame. Students strategize, celebrate big strikes, and enjoy the thrill of a fast-paced group activity that keeps everyone engaged. It's the perfect way to unwind after a full day of learning - active, social, and guaranteed to be a highlight of the trip.

Day 5

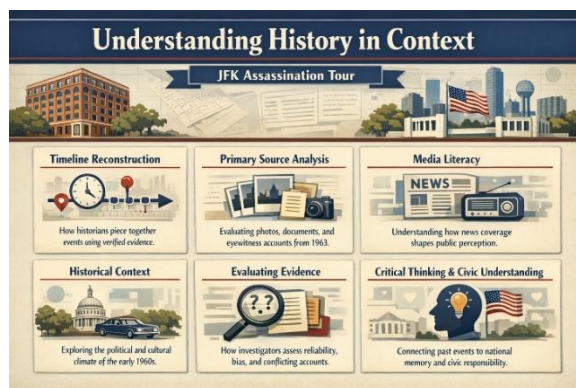
Breakfast & dinner included; lunch on own

Today's activities include:

The Herd: Stockyards Western Experience - Students step into the heart of Texas history with this immersive Stockyards experience, where the stories of cattle drives, cowboys, and frontier life come vividly to life. The guided Heritage Walking Tour leads students through historic streets, original livestock pens, and iconic landmarks that shaped Fort Worth's rise as "Cowtown." They'll watch a live Herd Demonstration featuring the legendary longhorns, learning how drovers managed massive cattle drives across the plains. Inside the Texas Cowboy Hall of Fame, students explore artifacts, saddles, wagons, and personal stories that highlight the grit, skill, and innovation of real working cowboys. The adventure wraps up at the Cowtown Cattlepen Maze, where students race through a wooden labyrinth modeled after the original stockyard pens - an energetic, hands-on way to connect with the past. It's a lively blend of history, culture, and Texas spirit.



JFK Assassination Historical Walking Tour - This guided walking tour leads students through the key locations in downtown Dallas connected to the events of November 22, 1963, offering a thoughtful and historically grounded look at one of the most pivotal moments in American history. As students explore Dealey Plaza, the Grassy Knoll, and the exterior of the former Texas School Book Depository, guides provide context about the political climate of the 1960s, the timeline of the assassination, and the investigations that followed. The tour emphasizes critical thinking, media literacy, and historical analysis, helping students understand how evidence is evaluated and how major events shape national memory. It's a powerful, reflective experience that connects place, history, and civic understanding.



Day 6

Breakfast (dependent upon departure times)

Good morning Texas! After breakfast, it's off to the airport or coach-ride home. We're hoping that you are inspired and taking home wonderful memories that will last a lifetime!



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Dallas & Fort Worth, Texas

Minimum Booking Numbers: 20 students

What's Included:

Round-trip flights or motorcoach transfers
5-nights' accommodation
Breakfasts & dinners daily starting with dinner on arrival and ending with breakfast on departure (dependent upon departure time)
Transportation for programmed activities & airport transfers
Dallas Sightseeing Walking Tour
Perot Museum of Nature & Science + Master Class
Spark! Adventures in Creativity Master Class
Trinity River Audubon Center & Naturalist Hike
Medieval Times Dinner Theatre
iFly Physics Master Class & Instructor-led Jumps
AT&T Stadium / Dallas Cowboys – STEM & Tech Tour
Texas Motor Speedway – Racing & Physics Tour
Bowling Night at the Main Event or similar
American Airlines CR Smith Museum Tour
The Botanical Research Center of Texas & Master Class Tour
Fort Worth Herd Private Tour: Stockyards Heritage Historical Walking Tour, Herd Demonstration, Texas Cowboy Hall of Fame & Cowtown Cattlepen Maze
JFK Historical Walking Tour
Personal Tour Director
4-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 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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