



# Field Trip Planner

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U.S. Postage  
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Permit No. 413  
Lubbock, TX



# Field Trip Planner

SPRING 2021: IN-PERSON & VIRTUAL • FILMS • FAB LAB • LIVE STEM PROGRAMS • RESERVATIONS



## Now Offering In-Person & Virtual Field Trips!

### In-Person Field Trips

Looking for that great learning experience that will excite and motivate your students? The Science Spectrum provides teachers and students with unique experiences and hands-on learning only possible outside the classroom. Discover well over 250 interactive hands-on science exhibits, Lubbock's only public aquariums, the breath-taking giant screen OMNI Theater, and free daily live science demonstrations featuring everything from live animals to chemical reactions. The Science Spectrum is the perfect place to begin your students' life-long learning experiences!

### Want to extend your students' learning experience while at the museum?

Take a look inside at our **Live STEM Programs** that can be reserved for your class in conjunction with an in-person museum visit. These programs are private hands-on experiences or science shows on the topic of your choice, at a time that fits into your field trip schedule.

*\*Additional fees above Museum and OMNI Theater ticket rates apply for Live STEM Programs. See "At Museum" Live STEM Program pricing.*

**School Field Trip Ticket Rates:** (per person - Student, Teacher & Adult Chaperones)  
\$5.00 - Museum • \$5.00 - OMNI Theater • \$8.50 - Combination Museum & OMNI Theater  
**For In-Person Field Trips call 806-745-2525 x234.**

## FIELD TRIP INFORMATION AND RESERVATIONS

### Before You Make Reservations:

- Have multiple days available that your group could attend if there is a conflict with your first choice, especially during April and May.
- Please make reservations with us a minimum of 2 weeks prior to your visit. Reservations made further in advance are appreciated.
- If you would like to use our free lunch room facility during your visit, please make your reservation in advance as space is limited.

### Day of Your Trip:

- Designate one person to check in your school group. Have accurate separate head counts of your students and teachers.
- Please be prepared to make ONE SINGLE PAYMENT FOR THE ENTIRE GROUP, rather than by class or person.
- Additional adult chaperones should not be included in your group's head count unless the school is paying for them. Please have chaperones that the school is not paying for purchase their own separate ticket.
- When attending an OMNI film, please make plans to arrive 30 minutes before your scheduled film time. Groups from out-of-state will need to consider that all show times are Central Standard Time (CST).
- Teachers or Aids that must personally accompany special needs students will be exempt from museum admission. OMNI Theater rates will still apply.
- Please inform parents that Museum Membership benefits are not valid for students on school visits.

### Standard Field Trip Pricing:

Student/Teacher/Chaperones  
Museum Only: \$5.00  
OMNI Film Only: \$5.00  
Museum & OMNI Film: \$8.50

**In-Person Field Trip info. & reservations call: (806) 745-2525 ext. 234**

**Virtual Field Trips & LIVE STEM Programs info. & reservations call: (806) 745-1216 ext. 224.**

## Gone Exploring Lately?



### Virtual Field Trips

If your class isn't able to take a traditional field trip this year, have the Science Spectrum come to you virtually! You choose the day, time, virtual platform and area of the museum or **LIVE STEM Program** you'd like to see (see programs offered inside). Let one of our museum educators give you a private guided tour along with a special science lesson!

**New this Spring**, we are also offering OMNI Theater style virtual movie options paired with a science lesson led by museum staff. See **Virtual Movie Field Trip** choices inside!  
**For Virtual Field Trips call 806-745-1216 x224**  
**or email [stemprograms@sciencespectrum.org](mailto:stemprograms@sciencespectrum.org).**

### FREE Region 17 ITV Virtual Field Trips

Is your school district part of Region 17 Education Service Center? Then you qualify for FREE virtual programming through a special partnership between the Science Spectrum and Region 17 ESC!

Visit the museum without ever leaving your classroom! Choose from our menu of **LIVE STEM Programs** or go on a guided virtual tour in the museum. Previously ITV (Interactive TV Network) programs were only offered on a set schedule on certain days of the week. We now have the flexibility for teachers to schedule programs based on their class schedules and on the STEM topic of their choice. Programs can be delivered through the Region 17 ESC ITV network if your school has the equipment, or programs can also be delivered through the virtual platform of your choice.

**For ITV Virtual Field Trips call 806-745-1216 x224**  
**or email [stemprograms@sciencespectrum.org](mailto:stemprograms@sciencespectrum.org).**





### Turtle Odyssey • Opens March 6th (Run time 45 mins.)

Turtle Odyssey explores the unique lifecycle of an Australian green sea turtle named Bunji and her incredible journey across the open ocean. The film follows Bunji the green sea turtle from a hatching into adulthood as she swims thousands of miles, meets incredible creatures and has some really wild encounters. [www.turtleodysseyfilm.com](http://www.turtleodysseyfilm.com)

### Dinosaurs of Antarctica • Now Showing (Run time 40 mins.)

From the Permian through the Jurassic, journey to the south polar landscapes of Antarctica hundreds of millions of years ago. Roam the primitive forests and thick swamps with bizarre dinosaurs and colossal amphibians. Join intrepid Antarctic scientists on a quest to understand the ice continent's profound transformation—and to predict the future as humans drive dramatic change. Welcome to the lost prehistoric world of Gondwana. Welcome to Antarctica. [www.gsfilms.com](http://www.gsfilms.com)

### Into America's Wild • Now Showing (Run time 45 mins.)

Narrated by Morgan Freeman  
Step off the beaten path and connect to your inner trailblazer in this cross-country journey to some of the most beautiful but little know landscapes of North America. From the wilds of Alaska and the lush coastline of Oregon, to the ancient canyons of the Southwest and the rolling hills of the Appalachian Trail, Into America's Wild is a non-stop ride via kayak, train, hot air balloon and more that explores the transformational allure of wild places and the human connection we all share with the natural world. [www.intoamericaswild.com](http://www.intoamericaswild.com)

## NEW VIRTUAL MOVIE FIELD TRIPS

Through a special partnership with Giant Screen Films, you can now see a shortened version of one of their amazing educational documentaries in class paired with a museum educator led STEM lesson to back up what your students have just watched! Generally the film will be shown first and will run 22 to 25 minutes, then followed up with either a hands-on activity or discussion with your students to reinforce in a fun way the concepts the film introduces. Programs are approximately one hour in length.

### Dino Discovery • Watch - Dinosaurs Alive! (22 minutes)

Dinosaurs Alive! is a global adventure of science and discovery — featuring the earliest dinosaurs of the Triassic Period to the monsters of the Cretaceous. Audiences will journey with some of the world's preeminent paleontologists as they uncover evidence that the descendants of dinosaurs still walk (or fly) among us. **Then** • Explore different types of fossils and how they teach us about the past. Then learn to make your own fossils. Discover Earth's timeline and solve a Sedimentary Layers Puzzle. (35 minutes)

### Under Wraps • Watch - Mummies: Secrets of the Pharaohs (25 minutes)

Part historic journey and part forensic adventure, Mummies: Secrets of the Pharaohs follows researchers and explorers as they piece together the archaeological and genetic clues of Egyptian mummies. Through ambitious computer graphics and dramatic reconstructions, the film tells the story of one of the greatest finds in modern history: the late 19th century discovery of a cache of forty mummies, including twelve Kings of Egypt, among them the legendary Ramesses the Great. **Then** • Get wrapped up in the history and science of mummification, and learn how to make your own mummy and canopic jars. (35 minutes)

### Under the Sea • Watch - The Last Reef: Cities Beneath the Sea (24 minutes)

Exotic coral reefs, vibrant sea walls in the sub-arctic pulsating with anemones and crustaceans: these biodiversity hot spots are as vital to our lives as the rainforests. Groundbreaking macro cinematography explores these cities beneath the sea. **Then** • Take a tour of the Science Spectrum's aquariums and meet live oceanic creatures. We will explore ecosystem interactions and ocean acidification. Then learn how you can limit your own carbon footprint, helping the Earth's oceans. (35 minutes)

### Virtual Movie Field Trip Program Pricing\*: (25 student maximum per program)

•1 Program - \$75.00 •2 Programs - \$150.00 •3 Programs - \$200.00 •4 Programs - \$250.00

For Virtual Movie Field Trips call (806) 745-1216 ext. 224 or email [stemprograms@sciencespectrum.org](mailto:stemprograms@sciencespectrum.org).

\*Multiple Program Pricing is for same program repeated in same day. Discount not available for different programs on same day.



## FAB LAB

**Fab Lab** is an all new hands-on STEM education program that makes the world of technology accessible through creativity in a mobile Maker-space that can either come to your school, or can be scheduled as a part of a field trip to the Science Spectrum! Using computers, 3D printers, laser and vinyl cutters, and more, this mobile Maker-space gives students the opportunity to experience the STEAM-based Maker movement, and take their designs from computer screens to finished product using robotic machines. Programs are geared for students in Grades 3-12. Content themes include: Engineering, design, advanced manufacturing, and rapid prototyping.



### Program Types:

• **Project Workshops:** (90 minutes+) for up to 16 participants at a time. Students work individually to design, then fabricate a unique project. Examples of projects include: acrylic cells, gliders, rubber band racers, dinosaurs, key tags and nametags, vinyl stickers and t-shirt decals. Projects can also be tailored to individual curriculum needs.

• **Engineering Challenges:** (2 hours+) for up to 30 participants at a time. Students work in teams to design, prototype, and test projects to meet an challenge. Examples would include fabricating a bridge to maneuver a robot across a river, or a delivery system for a drone to deliver a package. Students will be given time to prototype, test, and then redesign their project to better complete the challenge.

**Custom Programs:** Speak with our FAB LAB team about custom designing a program that ties in with your current curriculum, and meets student's goals. FAB LAB is also available to come to your school's Family Science/ STEM Night, Festival, PTA Night, or can be done as a Virtual Program!

For additional FabLab info, and pricing, please call 806-745-1216 Ext. 274 or email [fablab@sciencespectrum.org](mailto:fablab@sciencespectrum.org).



# Live STEM Programs!

## All programs can be done In-Person or Virtually!

Let us bring these exciting live STEM Shows and Hands-on Classroom Programs to you school, library, Family STEM Night or afterschool program. You can even schedule these programs at the museum as a part of a regular in-person field trip. If you currently can't have visitors onsite at your school, schedule any of these as a virtual STEM Program.



### Show Style Programs: (100 student maximum / 30-45 minutes)

#### Wildlife:

- Texas Natives (Variety of Reptile, Amphibian & Invertebrate native animals)
- Rainforest (Rainforest Wildlife & Adaptations)
- Reptiles (Snakes, Lizards, Turtles & Tortoises)
- Creepy Crawlers (Arachnids, Insects, & Other Invertebrates)

#### Human Health/Biology:

- Do You Have the Guts? (Human Digestion)
- That Makes Sense! (5 Senses - Sight, Smell, Taste, Touch, Hearing)
- Grossology (Why your body does gross things. Body Systems & Organs)

#### Space:

- Astronauts in Space (Astronaut Training, Space Suits, & Life in Space)

#### Physical Science:

- Crazy Chemistry (Physical vs. Chemical Changes, Energy)
- Super Cold (States of Matter, Temperature, Phase Changes, Density)
- Combustion (Fire Triangle, Fire Safety, Chemical Reactions)
- Fire and Ice (States of Matter & Energy, Super Cold & Combustion Combo)
- Superhero Science (Force, Inertia, Air Pressure, Electricity)
- Weather Wonders (Air Pressure, Water Cycle, Clouds, Thunderstorms, Weather Safety)
- Sound of Science (A basic Physics discussion of Acoustics, Resonance, Wave Length & Intensity)

### Hands-On Classroom Programs: (25 Student Maximum / 60 minutes)

- Grossology Hands-On (Anatomy, Body Systems & Functions)
- Storybook Science (Use classic storybooks as a jumping point to teach young students about STEM! Examples include The Three Little Pigs for Engineering or The Hungry, Hungry Caterpillar for Math/Biology. Other books are available upon request. Pre-K through 2nd Grade)
- 3, 2, 1 Liftoff! (Aerodynamics, Gravity, Energy, Indoor Rockets for 2nd Grade & Up / Outdoor Model Rockets available for 4th Grade & Up, 90 min. program)
- Dissect This! (Dissections: Cow Eye, Frog, Fetal Pig, Owl Pellet, Shark, Heart, Worm or Gummy Worm for younger students.)
- A Curious Case of CSI (Forensic Science, 3rd Grade & Up)
- Crazy Chemistry (Physical vs. Chemical Changes, Energy)
- Electricity & Magnetism (Electricity, Circuits & Magnets)
- Space Investigation (Stars, Planets, Life of an Astronaut)
- Animal Adaptations (Animal Survival Characteristics and Adaptations)
- Engineering (Problem Solving, Designing & Building)
- Force & Motion (Gravity, Friction, Marble Maze)
- Inherited Traits (Genetics & DNA)
- KEVA Plank Math (Addition, Subtraction, Patterns, Ordered Pairs)



## LIVE STEM Program Prices

### Show Style Programs:

- 1 Program: At School - \$90 / At Museum - \$60 / Virtual - \$60
- 2 Programs\*: At School - \$170 / At Museum - \$120 / Virtual - \$120
- 3 Programs\*: At School - \$230 / At Museum - \$170 / Virtual - \$170
- 4 Programs\*: At School - \$280 / At Museum - \$220 / Virtual - \$220

### Hands-On Classroom Programs: (+MF)

- 1 Program: At School - \$125 / At Museum - \$100 / Virtual - \$100
- 2 Programs\*: At School - \$225 / At Museum - \$175 / Virtual - \$175
- 3 Programs\*: At School - \$300 / At Museum - \$225 / Virtual - \$225

### Other Information:

- Please make reservations with us, a minimum of 2 weeks in advance. Have multiple days available for your program should there be a scheduling conflict with your first choice.
- A staff member from your school MUST be present at all times while programming is being presented. Keep this in mind when selecting program times.
- (+MF) Additional material fees may apply for hands-on programs. Fees vary based on program and number of students. Please inquire at time of reservation for exact goals.
- Travel outside of Lubbock County requires a mileage fee of \$5.60 per mile both ways. Overnight fees apply on multiple day, out-of-town programs.
- \*Multiple Program Pricing is for same program repeated in same day. Discount not available for different programs on same day.

For LIVE STEM Programs call (806) 745-1216 ext. 224 or [stemprograms@sciencespectrum.org](mailto:stemprograms@sciencespectrum.org).

