

2022-2023 Educator Guide

FIELD TRIPS | LEARNING LABS | WOW! LIVE SCIENCE SHOWS | STEM NIGHTS | PTA FUNDRAISERS



HOW TO BOOK



STEP 1:

SUBMIT AN REQUEST FORM ONLINE

Visit www.mindstretchingfun.org and fill out the request form online including your preferred dates and programs

STEP 2:

CONFIRM YOUR DATE & PAY YOUR DEPOSIT

Work with the registrar to finalize your date and then pay a deposit to secure your programs

STEP 3:

TRANSPORTATION & CHAPERONES

FIELD TRIPS ONLY

Be sure to secure buses, vans or other transportation well in advance and plan out your chaperones to meet the 1:10 adult to student ratio

STEP 4:

EXPECTATIONS & FINAL PAYMENT

Prepare your students for content and behavior expectations during programs/field trips and check in at the front desk to pay your remaining balance

PROGRAM OFFERINGS

Not sure which type of program to book?
Check out the descriptions below!

Multiple
Booking
Discounts
Available on
Labs & Shows!

LEARNING LABS

LL

DESCRIPTION: Classroom style programs featuring hands-on activities, experiments, and/or crafts

SIZE: 10-30 Students per lab

TIME: 45 Minutes (Minimum 15 minutes turnover between classes)

LOCATION: Both on-site or at your location

PRICE: \$225 Outreach, \$12/Student on Field Trip (Museum Admission Included)

WOW! LIVE SCIENCE SHOWS

W

DESCRIPTION: Auditorium style programs featuring 1-2 presenters, student volunteers, and exciting experiments

SIZE: Up to 250 Students

TIME: 30-45 Minutes (Minimum 15 minute turnover between shows)

LOCATION: Both on-site or at your location

PRICE: \$325 Outreach, \$10/Student on Field Trip (Museum Admission Included)

FIELD TRIP ONLY

DESCRIPTION: A self-guided museum visit where students and chaperones can freely explore exhibits and daily activities, No timed programming included

SIZE: 10 student minimum, 1 Chaperone Required per 10 Students

TIME: No set times, but at least 1-2 hours recommended

LOCATION: ON-SITE ONLY

PRICING: \$7/Student or Adult (1 FREE Chaperone Included per 10 Students)

NEED A SPECIFIC TOPIC?

Use the icons below to help find the perfect program!



PROPERTIES
OF MATTER



EARTH &
WEATHER



SCIENTIFIC
PROCESS



MAKING &
ENGINEERING



ORGANISMS &
ENVIRONMENT
(PLANTS)



FORCE, MOTION
& ENERGY



SUN, MOON
& SPACE



ROBOTICS
& CODING



NUMBERS,
SHAPES & MONEY



ORG. & ENVIRO.
(ANIMALS)

K-2 PROGRAMS

All programs below focus on science, math, and other subjects appropriate for grades K-2. For a full list of each program's TEKS and Next Generation Science Standards, please visit our website.

Need a Pre-K program?
Look for this symbol below!



PK

CSI, Jr.

Someone got into our garden and we need your help to solve the mystery! Work as a team to examine scientific clues and use deductive reasoning to find the animal culprit.

Energy and Me

What's energy and where does it come from? Use your senses to explore different forms of energy and try hands-on experiments to see how it affects states of matter.

It's a Bug's Life

Meet a "creepy crawly" friend and be an entomologist for a day as you complete experiments, learn about insect life cycles, and explore the scientific method.

Math-gineers

Try your hand at engineering on a budget! Use coins to pay for building materials to complete a fun challenge that teaches basic engineering and design principles.

Plant-tastic!

Plant your own seeds to germinate as you learn about what living things need to survive, the parts of a plant, and the life cycle of plants.

Reptile Roundup

Meet our Sci-Tech Animal Ambassadors! Learn about their physical and behavioral adaptations as well as what habitats and ecosystems they live and thrive in.

Robot Adventure

Learn the basics of coding logic and programming using simple, young-student friendly robots called Cubetto® to journey across a magical land.



TOPIC ICONS



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Rock Stars



Be an geologist-in-training as you learn how to sort rocks by traits such as shape, color, weight, and texture. Then, explore how rocks are used in the world around us!

Slime Time



Explore properties of matter, lab safety and chemical mixtures as you create your own take-home experiment you'll love to squish and squeeze!

The Four Seasons



Why does weather change? Dive into the sky and seasons as you learn how to make observations, track data, and discover weather patterns in nature.

Up, Up and Away



Blast off to the skies as we learn about clouds, stars and the Moon. Discover how we observe things in the sky, find patterns and illustrate our findings.

Storytime Science



Show us your favorite book, and we'll show you how it's STEM! Storytime Science allows educators to engage with early readers around a book and then participate in hands-on experiments and activities that explore and reinforce STEM concepts from the story. Choose from one of our over 30 lessons or contact us to create a new one from your class' favorite book!

3-5 PROGRAMS

All programs below focus on science, math, and other subjects appropriate for grades 3-5. For a full list of each program's TEKS and Next Generation Science Standards, please visit our website.

Advanced CSI



Help us find our missing snake! Collaborate with your fellow detectives as you analyze evidence, conduct an investigation and learn about forensic science careers.

Code by Color



Learn basic coding logic and programming while exploring Ozobots! Discover how robots can use sensors and intake information to follow lines and do cool moves.

Dirt on Soil



Get down to the nitty gritty on what makes up soil, from sediments to water and nutrients for plants, while trying hands-on experiments just like a geoscientist!

Dissection Connection



Learn more about plants and animals by looking INSIDE! Choose a dissection lab featuring: a flower, earthworm, cow eyeball, or an invertebrate of your choice.

Energy and Me



Discover the five different forms of energy through hands-on exploration as well as consider how energy changes and where we can find it.

Find the Solution



Be a chemist for a day as you explore the difference between mixtures and solutions, physical vs. chemical changes and use pH to create color changing "magic"!

It's a Bug's Life



Explore the wonderful world of bugs as you get hands-on experience trying experiments with live insect friends and learn more about the scientific method.



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Math-gineers



Try your hand at engineering on a budget! Use money to pay for building materials to complete a fun challenge that teaches basic engineering and design principles.

Our Solar System



Take a journey through space as you learn where planets are in our solar system and discover unique traits of Saturn, Mars and Jupiter.

Paper Animatronics



Combine ELA (*English/Language Arts*) and STEAM as you create a story and bring it to life while learning about circuits, motors, and character development.

Pinball Wizards



Use the design process to build a functioning pinball machine prototype as you play with the physics and engineering involved in creating games.

Predator or Prey



Observe skulls to learn about animal adaptations in predators and prey, and then dissect an owl pellet to discover one predator's digestive process.

Whatever the Weather



Become an amateur meteorologist as you learn how to observe, record and predict weather data such as temperature, wind and precipitation.

Wonderful World of WED



Get hands-on with landforms and how they are created while exploring weathering, erosion and deposition from water, wind, ice and rapid surface changes.

K-5 PROGRAMS

The programs below focus on broad TEKS that span several grade levels. For a full list of each program's TEKS and Next Generation Science Standards, please visit our website.



Blast Off!



Ever wondered how rockets work? Explore the four major parts of a rocket, Newton's Laws of Motion, and finish with a BANG that will be a BLAST!

Cooking Up Combustion



Discover the ingredients you need to create combustion and how changing the ratios of your recipe can affect things like the size and color of fire!

Exploding Bubbles



Chemistry has never been more fun! Learn about water and soap molecules, chemical reactions, and states of matter using everyone's favorite: BUBBLES!

Invisible Forces



See how much fun you can have with forces as we explore concepts of magnetism, inertia, sound, and end with an air pressure experiment that will blow you away!

Magic of Math



Enjoy a magic show where YOU can learn to be the magician! You'll learn how geometry, topology, and probability can create mind-blowing tricks to try at home.

Space Explorers



Discover what it takes to become an astronaut, how to train for space, and even get a taste of what life is like on the International Space Station.

Super Cold Science



Explore states of matter while using a super cold substance: liquid nitrogen! See how heating or cooling solids, liquids and gases can create awesome changes.



Family STEM Nights

BRING STUDENTS AND FAMILIES TOGETHER FOR A NIGHT OF STEM LEARNING FUN! AVAILABLE AT THE MUSEUM OR AT YOUR SCHOOL, WE PROVIDE HANDS-ON ACTIVITIES AND SHOWS ALONG WITH EDUCATORS TO CREATE A MEMORABLE NIGHT.

Adult/Senior Groups

LEARNING ISN'T JUST FOR KIDS ANYMORE! ALL PROGRAMS ARE AVAILABLE FOR ADULT GROUPS, ORGANIZATIONS, AND SENIOR LIVING FACILITIES. CONTENT CAN BE ADAPTED FOR SPECIAL INTERESTS AND ALL LEARNING LEVELS.

Scout Workshops

ENJOY A FUN OUTTING WITH YOUR TROOP/PACK LEARNING TOGETHER! AVAILABLE ON-SITE OR AT YOUR LOCATION, WE OFFER THESE PROGRAMS AND MORE GEARED TOWARD BADGES AND OTHER LIFELONG STEM SKILLS.

Pinewood Derbys

WORKSHOPS IN OUR MAKERSPACE ARE AVAILABLE FOR BUILDING CARS, LEARNING BASIC WOODWORKING SKILLS, AND DISCOVERING THE SCIENCE BEHIND RACING. TRACK RENTALS AND RACE EVENTS ARE AVAILABLE, TOO!

OTHER FUN PROGRAMS

PTA Fundraisers

WANT TO PUT THE "FUN" BACK IN FUNDRAISING? SCHEDULE A DAY AND WE'LL DONATE 30% OF ADMISSIONS FROM YOUR SCHOOL BACK TO YOUR PTA. FAMILIES CAN ENJOY THE MUSEUM AND RAISE FUNDS AT THE SAME TIME!

Virtual Programs

MOST LEARNING LABS AND WOW! LIVE SCIENCE SHOWS ARE AVAILABLE FOR VIRTUAL PROGRAMMING. LAB SUPPLIES ARE ALSO AVAILABLE BY MAIL WITH ADVANCE NOTICE. CALL OR EMAIL TODAY FOR OPTIONS!

Teacher Trainings

WANT TO EXPLORE INQUIRY BASED LEARNING? NEED TO ADD SOMETHING NEW TO YOUR MAKER SPACE? CONTACT US FOR TRAINING OPTIONS FOR EDUCATORS. WHETHER HELD ON-SITE OR AT YOUR SCHOOL, WE'VE GOT YOU COVERED!

Contact Us
for any
Special
Requests!

BOOKING: RESERVATIONS

How can I make a reservation?

Fill out the field trip request form online and a member of our team will reach out to confirm your date and/or program.

How far in advance should I book?

For field trips and programs, we prefer reservations be made at least one month in advance. However, for spring field trips, four to eight weeks in advance will give you the most availability.

Can I reserve my date before paying my deposit?

A deposit is required for reservations.

Can I change my date after paying my deposit?

You may change your date up to two weeks prior to your reservation, dependant on availability.

Can I change my program choice?

You may change the program choice up to two weeks prior to your reservation.

GENERAL QUESTIONS

Can we book a program with under the minimum/over the maximum students?

We can do smaller numbers if the minimum price is met. Groups over the max may book a second program that runs concurrently.

Can we combine grades for a program?

This is not recommended for Learning Labs, but is possible for Wow! Shows.

Do you offer discounts for booking multiple programs?

Yes, we offer discounts for multiple programs on outreaches, STEM Nights, and afterschool programs. Contact us for a detailed listing of prices and discounts.

FREQUENTLY ASKED QUESTIONS

PAYMENTS

How do I pay my deposit?

Mail a check or pay by phone by calling 469-896-2188 x2.

When is the full balance due?

Payment is required in full by the date of your reservation. You may wait to pay it when you arrive.

What types of payment do you accept?

We currently accept cash, check, debit card, credit card, and purchase orders.

If I need to cancel my reservation, can my payment be refunded?

Deposits are nonrefundable, but the remaining balance is refundable.

Can I get a refund for any students who do not attend the field trip?

Refunds are not given within two weeks of your reservation date.

Can I add extra students on my booking?

Yes! Simply pay on the day of your trip.

Can our PTA/O or another organization pay for our field trip?

Yes! Simply have your organization pay the deposit and remaining balance on the required timeline.

How can parents/chaperones pay?

You may collect their payment in advance or have them pay at the front desk when you arrive.

Can parents/chaperones use their membership to cover field trip admission?

No, membership benefits do not extend to field trips or school programs.

Do you offer discounts for Title 1 Schools?

Not at this time, but check back next year!

FIELD TRIPS:

LOGISTICS

What time can we arrive?

Arrival is 9:30am, 10am, 10:30am or later.

Where can we park?

Ample open parking is available in front of the Discovery Center.

Where can we eat lunch?

Grassy outdoor space is available on a first-come basis. There are also local parks within a 5 minute drive.

Can our field trip visit the gift shop?

Yes, supervised students may visit the Explore Store at the end of their trip.

What happens if we run late or need to leave early?

Please let us know as soon as you are aware of any schedule changes. Programs may be condensed as schedules allow, but changes are not guaranteed.

Do you have an inclement weather policy?

Sci-Tech follows Frisco ISD's closures. Field trips may reschedule if the museum or your school is closed due to weather.

CHAPERONES

What qualifies as a teacher vs. chaperone?

Teachers are classroom instructors or one-on-one school aids for students with special needs. Chaperones are any parents, adult guests, bus drivers, etc.

Do you have a required number of chaperones for field trips?

We recommend a 4:1 student to chaperone ratio, but allow up to 10:1.

What do chaperones do on a field trip?

Chaperones are required to supervise students in the museum and may also assist as desired in programs.

PROGRAMS:

AT THE MUSEUM

Where are the classrooms?

Classrooms A/B are in the front museum gallery and C/D are in the back gallery.

Where is the Discovery Stage?

The stage is next to the main entrance.

How long before the program should we be seated/in the classroom?

Please arrive 3-5 minute before your scheduled time.

AT YOUR SITE

We don't have an auditorium. Can you still do a Wow! Live Science Show?

Yes! We can use any space that fits our size and technical requirements.

Is there a min/max distance you'll travel?

No, but we do have a small travel fee for distances over 15 miles from Sci-Tech.

Can we do our program after school?

Yes! We offer afterschool programs and STEM Nights.

ACCOMMODATIONS

Are your programs appropriate for children of different abilities?

All programs are adaptable to the physical and mental needs of the students.

Can you do programs in languages other than English?

While we do not have any programs translated to other languages, you may request an educator who speaks/signs another language as they are available.

CONTACT US:

BOOKING

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EDUCATION

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Sci-Tech is located within the
Frisco Discovery Center,
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