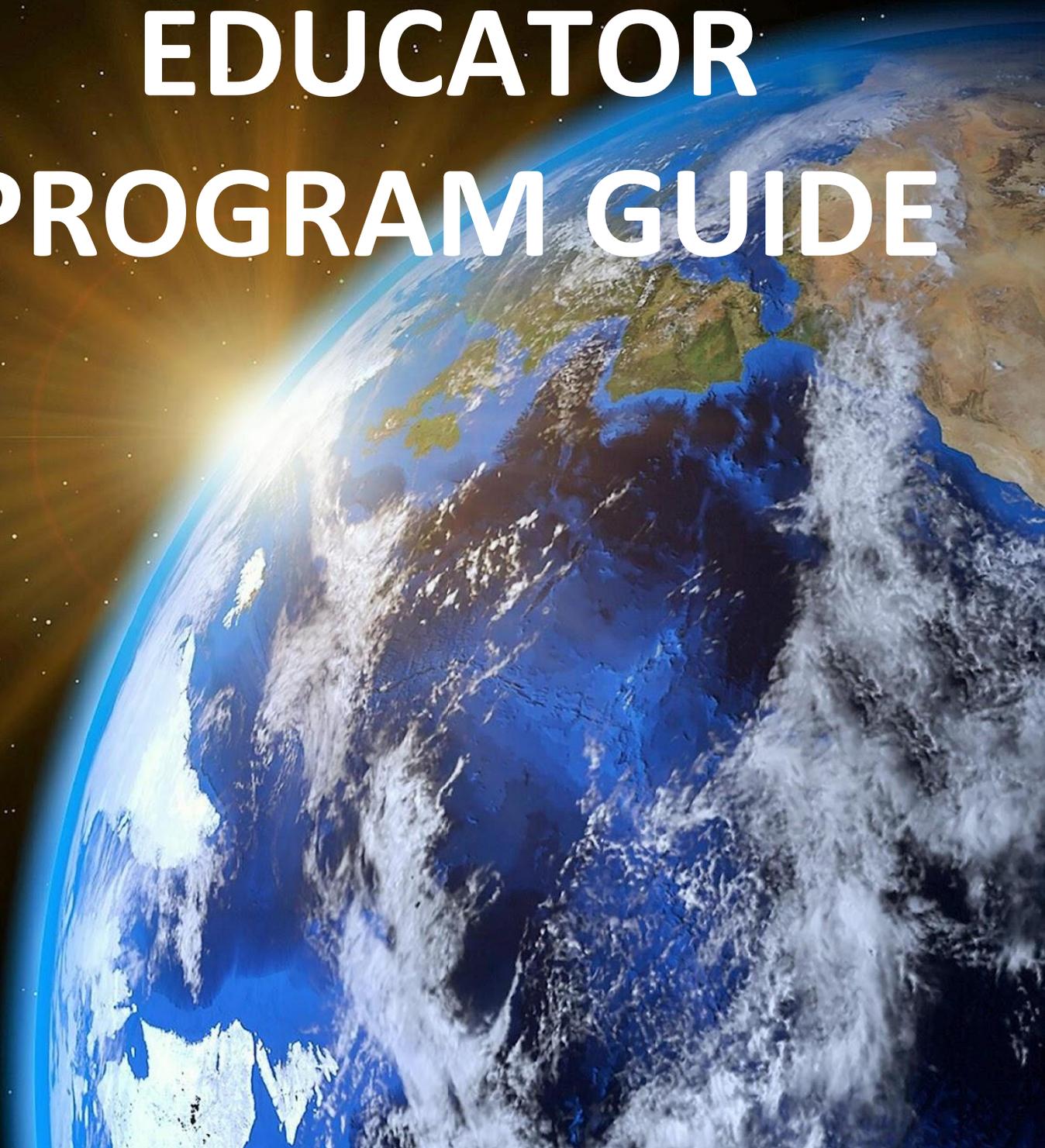


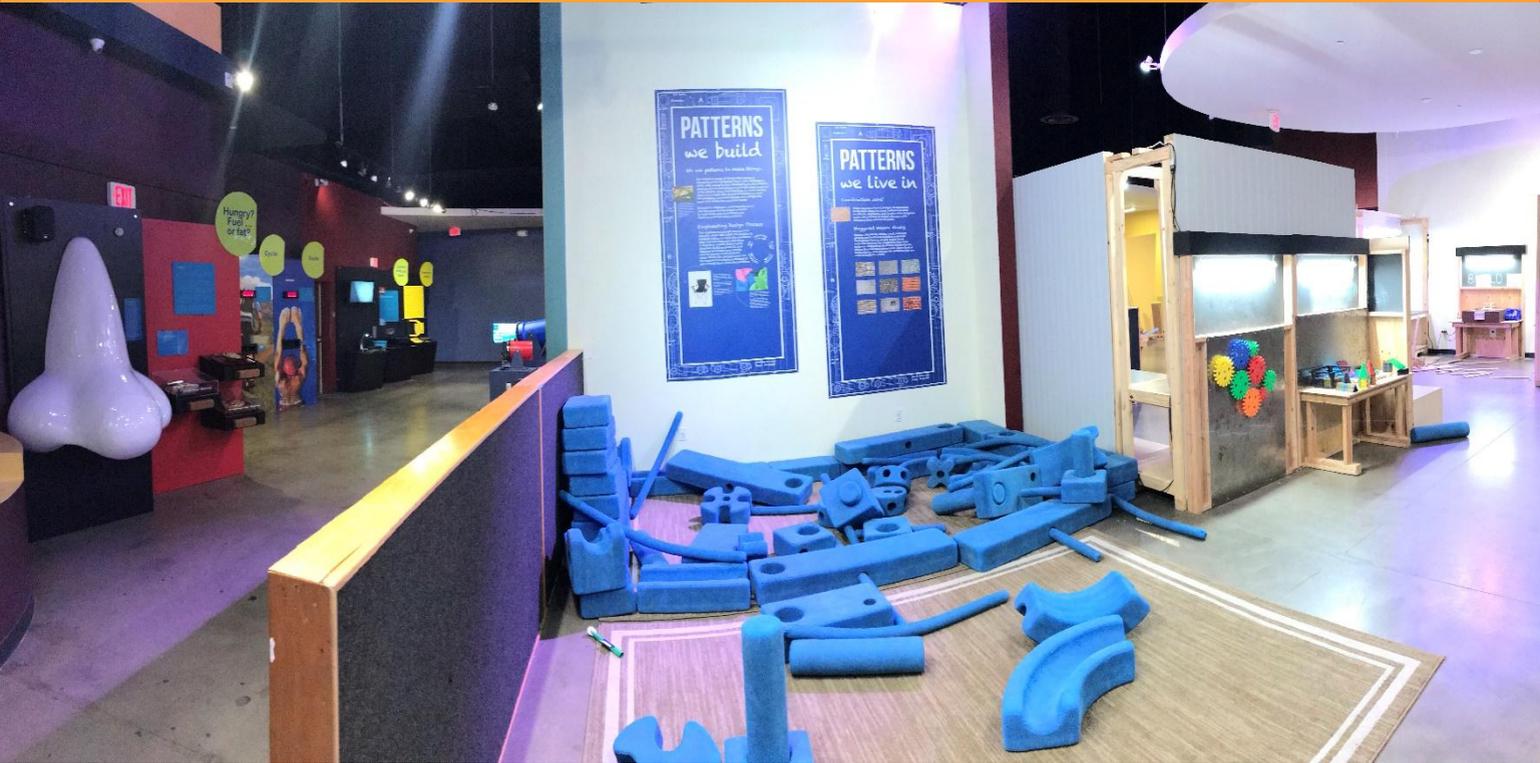
———— 2019-2020 ————

Sci Tech Discovery Center

**EDUCATOR  
PROGRAM GUIDE**



# For Sci Tech Discovery Center EDUCATOR PROGRAM GUIDE



## TWO WAYS TO ENGAGE WITH THE MUSEUM



### OUTREACH PROGRAMS AT YOUR SCHOOL

- Complete your experience:
- Add a classroom program
- Add a WOW Show at the stage



### FIELD TRIPS AT THE MUSEUM

- Exciting Classroom STEM and Maker programs
- Wow Shows in the gym!



# ABOUT SCI-TECH

Sci-Tech Discovery Center offers a wide variety of informal educational experiences for classes, groups and individuals through permanent and traveling exhibits, field trips, spring and summer camps, parties and special events. We provide programs at our site or on your campus.

## AT OUR CENTER OR YOUR SCHOOL

We welcome your class or group to our site or we can come to see you! There are many opportunities and programs that will fit your curriculum and meet TEKS (Texas Essential Knowledge and Skills).

This booklet will outline our current programs and information.

## BRIGHT IDEAS!

That's what Sci-Tech Discovery Center hopes to inspire by providing hands-on experiences in the essential areas of science, math, engineering and technology to kids of all ages and backgrounds. Sci-Tech Discovery Center seeks to spark a lifelong interest in STEM and helps equip our area's children with these advanced skills. At Sci-Tech, we believe in advancing education and providing inspiration to the next generation of engineers, scientists, educators and innovators.

## OUR MISSION

The Sci-Tech Discovery Center provides dynamic educational experiences that inspire people of all ages and backgrounds to embrace discovery and innovation through the active exploration of science, math and technology.



# More About Sci Tech

## Location

8004 North Dallas Parkway  
(take the Cotton Gin Road/Main Street exit on North Dallas  
Tollway)  
at the Frisco Discovery Center.

## Our General Hours

Tuesday through Friday 10AM to 4PM  
Saturday hours 10AM to 5PM  
Sunday from 12 Noon to 5PM.  
\*Summer hours subject to change

## Admission

General admission (ages 3–64) \$8.50  
Seniors (age 65+) \$7.50  
Military (ID required) \$7.50  
Teachers (ID required) \$7.50  
2 and under free admission

We are closed to the public on Mondays.  
Special events can be booked after hours.  
Field Trips can be booked on Mondays with prior notice

Sci-Tech Discovery Center,  
8004 North Dallas Parkway,  
Ste. 100  
Frisco, TX, 75034  
(972) 546-3030



# EDUCATION AT SCI-TECH



Sci-Tech's immersive, hands-on exhibit gallery (**7000+ sq. ft.**) is filled with educational experiences that learners of all ages are sure to love!

## PUBLIC PROGRAMS AND EVENTS

Sci-Tech has opportunities for the public to enjoy special events. From lectures, panel discussions, specialized events such as a mini-maker faire, traveling exhibits openings and holiday-related happenings like our popular New Year's Eve Countdown to Noon, Sci-Tech offers many outings for families, groups, educators and parents. Check our website for upcoming events.

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## FACILITY RENTAL AND PRIVATE EVENTS

Need a cool place to be together? Let Sci-Tech be that place!

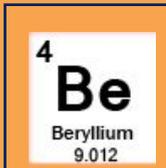
### PERFECT FOR ANY EVENT:

- Family STEM Nights
- PTA fundraisers
- Group celebrations
- Graduation and Rising parties
- Private school functions

### PERFECT FOR ANY BUDGET:

- Starting as low as \$500
- Full access to our exhibit galleries, multi-purpose rooms and Discovery Stage
- Customizable programs with activity stations, live stations, live shows, team challenges and more!
- Call for information about our **MakerSpace** Team Building programs.

All facility rentals are custom-ordered to fit the group's needs.  
Please contact our sales teams at **(972) 546-3050 x 106** for more information.



# FIELD TRIPS



## Field Trip Pricing:

Field Trip Admission: **\$7 per person** for children and adults.

Admission + 1 Program: **\$10 per student.**

Additional **\$3 per student** for additional programs.

One (1) Teacher is admitted for **FREE** per 10 children.

(Prices subject to change)

## FIELD TRIPS, WOW SHOWS AND CLASSROOM PROGRAMS

All field trips to Sci-Tech include a short introduction, use of the exhibit halls and facilities. Your students can enjoy learning in our traveling and permanent exhibit spaces.

Sci-Tech offers supplemental programs to enhance your visit. These include the WOW shows and classroom Programs. **The price is \$10 per person for one admission plus one supplement.** If you would like to add a second supplement, there is an additional fee of \$3 per person.

A **WOW Show** is a large group assembly featuring our Sci-Tech Educators who handle materials that can explode, catch fire and freeze! These shows are highly popular and accommodate 25-150 people per show at our museum.

**Classroom Programs** are for small to medium-sized groups (up to 24 students for each session), lead by our Sci-Tech Educators and offer interactive and hands-on opportunities.

All programs include interactive learning for students and are aligned to state standards.

Check our pages on our current offerings. Email our sales team at [bookit@scitechdiscovery.org](mailto:bookit@scitechdiscovery.org) or call us to reserve your date and to arrange details, (972) 546-3050 x 106.

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# GENERAL FIELD TRIP FAQs



Here's some popular questions posed by educators just like you!  
Don't see the answer you're looking for?  
Contact our team directly at **(972) 546-3050 x106**.

## ***1. Is there a place to eat lunch on site?***

Sci-Tech does not have an indoor eating area. We encourage outdoor picnic style lunches at the field alongside our building or the nearby Frisco Commons Park (less than 10 minutes away). Accommodations for the park must be made by contacting the City of Frisco.

## ***2. Will the students have a chance to shop during the field trip?***

Yes! Students are able to purchase items directly from our on-site Explore Store (average price \$2-20).

## ***3. Will a field trip to Sci-Tech align with current science TEKS?***

Absolutely! All K-6 discovery programs are aligned to grade level science TEKS. In addition, a trip to the museum allows students to experience many exhibits that correlate to various TEKS.

## ***4. How do I book a field trip, assembly, or discovery program?***

*Act now! Call our sales team at (972) 546-3050 x106 to make reservations at least 2 or more weeks out.*

## ***5. How long is a field trip and when can we arrive?***

Field trips may be booked Monday through Friday, pending availability. Groups may choose to arrive at either in the morning or afternoon. The average basic field trip is 90 minutes.

Supplemented field trips with WOW Shows or Classroom Programs will run longer. Larger groups with consecutive programs may also run longer.

Call today to learn more and to book your visit at  
**(972) 546-3050 x106.**

# CLASSROOM *SCIENCE* and *TECH* PROGRAMS AT A GLANCE

Our programs can be held in our Sci-Tech classrooms or at your school or site.

Programs are for small to medium-sized groups (up to 24 students for each session), lead by our Sci-Tech Educators and offer interactive and hands-on opportunities.

All programs include interactive learning for students and are aligned to state standards. Classroom *SCIENCE* Programs cover a wide range of STEM TEKS including Force, Matter, Energy, Organisms, Earth and more. Classroom *TECH* Programs are focus on engineering and technology topics.

Please call for information about the programs, booking and multiple sessions.

**TIME: 30-40 minute sessions with time between for setup**  
**PARTICIPANTS: Max 25 students per session**

## **AT YOUR SCHOOL:**

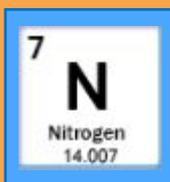
**\$200** for first program, **\$140** for each additional program

## **AT SCI-TECH:**

Admission plus 1 Classroom Program or WOW Show are **\$10 per child**.

The cost is an additional **\$3 per person** for second program.

To book a **DISCOVERY PROGRAM**, call **(972) 546-3050 x106**.



# CLASSROOM SCIENCE PROGRAMS



**TIME: 30-40 minute sessions with time between for setup**  
**PARTICIPANTS: Max 25 students per session**

## **AT YOUR SCHOOL:**

**\$200** for first program, **\$140** for each additional program

## **AT SCI-TECH:**

Admission plus 1 program are **\$10 per child**.

The cost is an additional **\$3 per person** for second program.

### **IT'S A BUG'S LIFE**

#### **1<sup>st</sup> - 4<sup>th</sup> GRADE**

Get one on one with some super mealworms as we run them through a few quick experiments to explore what we have in common. Learn how insects sense the world and learn how the scientific method helps us discover.

### **SLIME TIME**

#### **1<sup>st</sup> - 5<sup>th</sup> GRADE**

Mix up your own lab grade slime and put it to the test. Decide if it is a solid, a liquid, a gas or something else entirely! You may be surprised. Children will be able to take home their new slime experiment.

### **CSI**

#### **1<sup>st</sup> - 4<sup>th</sup> GRADE**

Your students – each a budding forensic scientist – are on the case to solve the mystery of Sci-Tech's missing snake! Collaborating in teams, they must work together to explain clues, utilize forensic tools and analyze evidence in this real-world experience.

### **REPTILE ROUNDUP**

#### **K -6<sup>TH</sup> GRADE**

Meet a few of Sci-Tech's resident reptiles. Learn about their physical and behavioral adaptations. Get up close and personal with a Ball Python, Leopard Gecko, Bearded Dragon, and Russian Tortoise.

# CLASSROOM SCIENCE PROGRAMS cont.



## FORCE & MOTION

### 2<sup>ND</sup> - 6<sup>TH</sup> GRADES

The force and motion supplement is a high-energy interactive demonstration of Newton's Universal Law of Gravity and Three Laws of Motion. The kids will learn about motion and trajectory, force, and kinetic energy principles while playing our life-size Angry Birds game.

## ANATOMY ATTACK: COW EYEBALL

### 4<sup>TH</sup> - 6<sup>TH</sup> GRADES

Our eyes are our windows to the world. These organs take in reflected light and make sense of our environments via form, color and movement. Students will work in teams to dissect a cow eyeball, learn about its complex parts and compare/contrast its adaptations to those in a human.

***Specimen cost per student pair is \$7.***

## BRIDGES

### 3<sup>RD</sup> - 6<sup>TH</sup> GRADES

Investigate the forces of gravity, push and pull as you create K'Nex® bridges. Learn the architectural secrets behind some of the most famous bridges and put yours to the test.

## WHAT A WATERSHED

### 2<sup>ND</sup> - 5<sup>TH</sup> GRADES

Pollution and the water cycle come together as we "trash" our EnviroScape watershed model. See what happens next and decide how we can keep our planet clean for years to come

**Requires access to sink.**



To book a **CLASSROOM PROGRAM**, call **(972) 546-3050 x106.**

# CLASSROOM *TECH* PROGRAMS



**TIME:** 45 minute sessions with time between for setup  
**PARTICIPANTS:** Max 25 students per session

## **AT YOUR SCHOOL:**

**\$325** for first program, **\$140** for each additional program

## **AT SCI-TECH:**

Admission plus 1 program are **\$12 per child**.

The cost is an additional **\$5 per person** for second program.

## 3<sup>rd</sup>-5<sup>th</sup> Grade

### **Intro to Robot Adventures**

(3rd – 5th Grade)



Help our little bots journey across magical lands as you decide their programming. Students will use Cubetto®, the wooden robot that introduces kids to code and computer programming.

### **Tiny Tinkerers - Pinball Wizard**

(3rd -5th Grade)

Try your hand at engineering a pinball game in our tinkering class for beginners. Learn how forces and physics will help your team's ball bounce and spin.

# CLASSROOM TECH PROGRAMS cont.

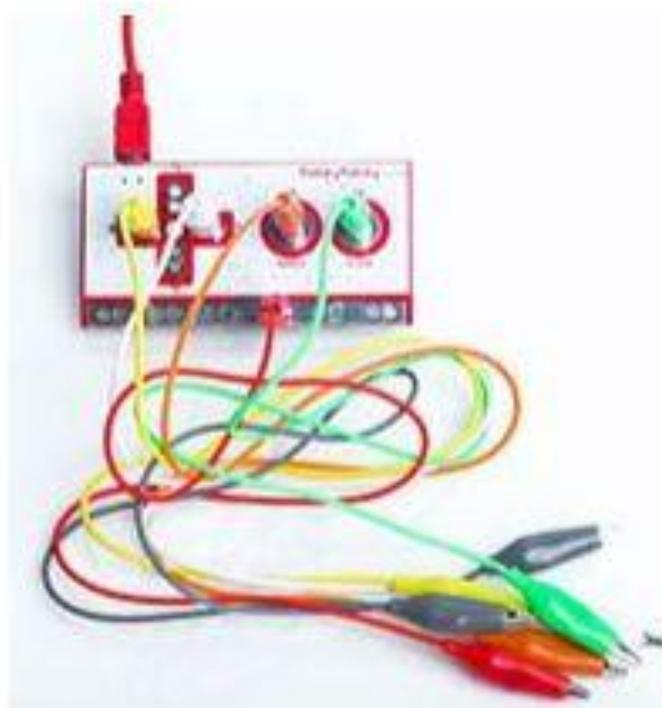


## 4<sup>th</sup>-6<sup>th</sup> Grade

### Makey Makers

(4th -6th Grade) ⚙️

Break out our Makey Makey© kits and learn to create complex circuits with unusual materials. Teams then build working video game controllers to test and play! Requires access to multiple electrical outlets for Sci -Tech laptops.



### World of Ozobots © ⚙️

(4th -6th Grade)

Discover robotics and learn to program our minibots with visual color coding. Create a big world for them to explore and control how they move with the language of color

# CLASSROOM TECH PROGRAMS cont.



## 6<sup>th</sup>-8<sup>th</sup> Grade

### Advanced Robots – Mindstorm © or VEX © ⚙️

(6th -8th Grade)

Take a crack at more complex programming with either LEGO Mindstorm© or VEX© robotics, your choice! Teams will modify existing robot chassis and learn to program their movements to tackle our challenges. Requires access to multiple electrical outlets for laptops

### 3D Computer Animation ⚙️

(6th -8th Grade)

Learn how animation has jumped from paper to the screen. Students will work as animation partners to develop the environment and characters of their choosing. See how you can make them run, walk and express themselves in your mini movies. Requires access to multiple electrical outlets for laptops



# WOW SHOWS AT A GLANCE



WOW Shows are assemblies for larger groups that can be held on your campus or included with a visit to Sci-Tech. Our WOW shows explore physics, electricity, chemistry, liquid nitrogen and combustion in an exciting and engaging presentation. We can accommodate large groups (up to 150 people per show) in our venue or will work with you to meet your site's accommodations.

**TIME: 30-45 minute sessions with time between for setup**  
**PARTICIPANTS: 25-150 students per session at Sci Tech**  
**Up to 250 students for auditoriums at school sites.**  
**Call for more information about size capacity at your site.**

## **AT YOUR SCHOOL:**

**\$235** for first show, **\$140** for each additional show

## **AT SCI-TECH:**

Admission plus 1 WOW show are **\$10 per child**.

The cost is an additional **\$3 per person** for second show.

# WOW SHOWS

Choose one of our exciting WOW demonstration stage shows. Themes include:

## **WOW Invisible Forces**

Explore the wonders of science with a mix of chemical concoctions, extreme temperature experiments, amazing physics demonstrations and more. Get blown away by Bernoulli's Principle of air pressure and more.

## **WOW Combustion**

Learn the basics of combustion as our trained staff wows you with our fire show. See how they set afire solids, liquids and gases. Discover what happens when you change the variables in our fire triangle. It's explosive! *Performance includes small controlled fires.*

## **WOW Super Cooled**

Explore the world of the supercooled science with liquid nitrogen and dry ice experiments. Discover how freezing temperatures affect balloons, balls, fruit and flowers.

## **WOW Electricity**

The sparks will fly with our electrostatic Van de Graaff generator. They will learn about lightning as they watch the sparks fly and some lucky volunteer will get a "hair raising" experience.

## **WOW Chemistry and Matter**

Spectacular chemistry experiments that explore the states of matter, their properties and their reactions to extreme temperatures. Solids, liquids, and gases will expand and contract change states, change colors, and ignite!



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# Family STEM Night



## Table Top Exploration Stations:

Our staff will set up hands-on exploration activity areas with 1 of the following themes. Space to spread out with 3 tables, chairs and access to electricity required.

Pricing is per 1 station theme.

### Robotics:

Staff will bring out some of our favorite robots. Families will have the chance to control and program some of our favorites. They may include Cubetto, Ozobots, Dash, OWI robotic arms and/or VEX robots. Exact robots may vary depending on availability. Good for all sized events.

\$1000 for 2 hours

Additional \$350 for each additional hour

### Makey Makey:

Staff will set up DIY stations that use Makey Makey technology to build interfaces such as game controllers and piano keyboards. Good for all sized events.

\$900 for 2 hours

Additional \$300 for each additional hour

### Meet the Reptiles:

Staff will bring out some of our resident reptiles for visitors to meet up close and personal. They may include our Ball Pythons, Russian Tortoise, Leopard Gecko and/or Bearded Dragon. Best for smaller events to avoid placing stress on the animals.

\$800 for 2 hours

Additional \$250 for each additional hour

# Family STEM Night cont.



## WOW Stage Shows:

Staff will delight your audiences with one of our exciting WOW Shows. Staff demonstrate super cooled, electrifying and firey science experiments for all to see. Great for large crowds in gymnasiums.

Pricing is pre 1 show.

\$325 per show

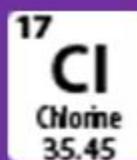
\$125 for each additional show

## WOW Super-cooled Liquid Nitrogen Show:

Explore the world of the supercooled science with liquid nitrogen and dry ice experiments. Discover how freezing temperatures affect balloons, balls, fruit and flowers. Watch a banana hammer a nail, see 'crystal ball' bubbles, and catch a fog filled bubble in your hands.

## WOW Invisible Forces Show:

Explore the wonders of science with a mix of chemical concoctions, extreme temperature experiments, amazing physics demonstrations and more. Get blown away by Bernoulli's Principle of air pressure and more.



# SCOUTING WORKSHOPS



Sci-Tech Discovery Center would love to have your Girl Scout troop visit our museum and earn a badge or patch at the same time. Workshops can be hosted after school or on weekends, pending availability. Admission to the museum is included with the scout participation fee.

## GIRL SCOUTS

### Daisy

Model Car Design Challenge  
Roller Coaster Design Challenge  
Fling Flyer Design Challenge  
Think Like an Engineer  
Think Like a Programmer

### Brownie

Home Scientist  
Race Car Design Challenge  
Think Like an Engineer  
Think Like a Programmer

### Junior

Detective  
Think Like an Engineer  
Think Like a Programmer

### Cadette

Woodworker (\*3 h)

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## Daisy, Brownie, Junior 2 hr Workshops

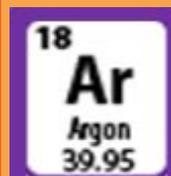
Thursdays or Fridays 4:00 – 6:00 PM  
\$ 160 total for up to 8 scouts  
\$ 320 total for 9-16 scouts (max 16)

## Cadette 3 hr Workshops

Thursdays or Fridays 4:00-7:00 PM  
\$ 215 total for up to 8 scouts  
\$ 430 total for 9-16 scouts (max 16)

## Call to register at least 2 weeks out.

For more information and available dates or to book, please email [bookit@scitechdiscovery.org](mailto:bookit@scitechdiscovery.org)  
or call (972) 546-3050 x106.



# CAMPS



Science doesn't stop when school is out! Join Sci-Tech for summer and school year camps throughout the year. Camps vary in theme.

## STEM CAMPS

Our STEM Camps introduce kids to science and technology in the world around them. They can explore physics and engineering, Earth and space, robots, drones, and chemical reactions. It's all fun and games until it gets messy...then it's awesome!

## MAKER CAMPS

Our Maker Camps are ideal for older kids who love to tinker, disassemble, invent and create. Campers can use hand tools for big wooden builds.

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Campers get their own WOW stage shows before the museum opens to the public and have time to explore the exhibits between hands-on projects in their classrooms.

Children remain with Sci-Tech educators in their grade groups throughout the day. Sci-Tech camp staff are Red Cross Certified in First Aid/CPR/AED and have years of education experience.

9:00am - 4:00pm

1<sup>st</sup>-8<sup>th</sup> Graders

Discounts for members

Please check our website for dates, themes, cost and information at <https://mindstretchingfun.org/sci-tech-camp/>.

