

Discovery Labs on Wheels

Bring the Museum to your classroom with the Fort Worth Museum of Science and History's Discovery Lab on Wheels. We offer a variety of programs to meet your curricular needs.



School Based Programming

The Museum will bring a museum educator to your school to lead your students in hands-on science activities. Programs run 50 minutes and can take place in your classroom or in the school's science lab. Some programs have special requirements that are listed in the program description. Three class minimum.

Pricing:

\$125 for each 50 minute class

\$750 for 6–8 classes

\$1125 for 9–12 classes

*Travel fees may apply to programs outside our normal program area



After School and Summer Programming

Looking to add something special to your after school or summer program? Have a Discovery Lab on Wheels educator visit your program. Our hands-on programs are perfect for a variety of audiences and age groups. After School Programming is available after 3:00 during the school year and Summer Programming is offered from **June 15–July 31**.

Pricing:

We do our best to accommodate your specific program, please call us to request a quote.

■ *To register or for questions, please contact:*
Rebecca Reed - Outreach Manager
Fort Worth Museum of Science and History
rreed@fwmsih.org / 817.255.9536



FORT WORTH MUSEUM
SCIENCE AND HISTORY

School Age Programs (2nd grade and up)



Electric Energy: Jolts and Volts

During your program, your students will be challenged to create circuits with some familiar, and hopefully, some very unfamiliar materials. Our staff will connect their investigation to energy concepts. Finally, your students will investigate static electricity with Museum staff using our hair-raising Van de Graaf generator.



Properties of Matter

Using super-cold dry ice, common household items, and hands-on experimentation, your students learn how and why things change, from solid to liquid to gas and the properties of these states of matter. Students will develop a better sense of the physical world around them through this “really cool” exploration of matter. Please make sure educators have access to a sink and hot water for this program.



Investigations in Weathering Erosion and Deposition

During your program, your students will be challenged to develop an understanding of the Earth processes of weathering, erosion and deposition. Our staff will help your students develop a working definition for these processes as they use earth materials to investigate each process. Please make sure that educators have access to water and a sink for this program.



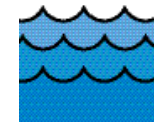
Magnets

During your program your students will engage in a variety of activity stations as they learn about the properties of magnets. Students will develop a better understand of what a magnet is, what is magnetic, and attraction/repulsion.



Gravity, Force, and Motion

Using chain reactions, your students are introduced to forces, gravity, kinetic, potential, and transfer of energy. Then students will complete a small group challenge by designing and constructing a ball run. Please make sure each class as wall space available to create their ball runs.



Water Wonders

Water is everywhere! Through creative role-play students become a drop of water and explore the water cycle. Evaporation, condensation, precipitation and transpiration are all discussed.



Doodle - Bots (Grades 5 and Above)

Your students will learn about circuitry in this hands-on class. Students will transform recycled materials into working bots that scribble. Class will focus on simple circuits and use motors and batteries to power their creations. Additional material fee of \$25/classroom for this Discovery Lab.



Bird Beaks and Beyond

Learn about animal adaptations in a hands on way by looking at different birds, their food sources and their beaks. Your students will also get to examine some items for the Museum’s collections as they learn about the different ways birds have adapted to their environment.



Early Childhood Programs (Pre-K through 2nd grade)



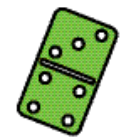
Bubbles (Pre-K – 1st Grade)

Using bubbles, your students will have the opportunity to explore scientific concepts, such as investigation, observation, comparison, and classification. Each student will have opportunity to create bubbles in your classroom. This program is best for Pre-K or Kindergarten. This program can be messy. Please make sure students are seated at tables for this program.



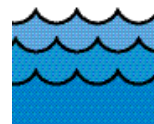
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Wonderful Water

Water is everywhere! Students will have an opportunity to examine the properties of water and learn about the water cycle. Evaporation, condensation, precipitation and transpiration are all discussed.



To Be a Tree

Through creative roll play students will learn about the life cycle of plants. The different parts of trees as well as their role in the ecosystem will be covered.



Here are a few special programs offered through the Discovery Lab on Wheels program.



Outdoor Day

Are you having an Outdoor or an Environmental Day? We can help! Our staff can come to your site and lead workshops for your students on a variety of topics. We can bring multiple educators and do multiple activities at your location. Past programs include: water cycle, weathering/erosion/deposition, life cycles, animal adaptations, flower dissection, fossils, and pond studies. Contact Rebecca Reed (rreed@fwmsk.org or 817-255-9536) for a quote or to discuss your school's program plans and goals.



Makers Club

Cost per 6-week series for one class: \$450

Cost per 8-week series for one class: \$600

Become a Maker by joining us for the Makers Club. This project based experience focuses on STEM (science, technology, engineering, and math). Working individually and in groups students will learn different concepts and will work through the engineering design processes.

- Recycle, repurpose, reuse
- Chain Reactions
- Volts and Jolts
- Squishy Circuits
- Take Apart/Simple Machines
- Design-It
- Building Time I
- Building time II



Art and Science

Cost per 6-week series for one class: \$500

Cost per 8-week series for one class: \$650

Join us for this mixture of Art and Science. Students will explore, manipulate and discover the magical connection between science and art.

- Shaving Cream Bookmarks
- Chromatography
- Cabbage Chemistry
- Catapult Art
- Painting with bubbles
- Exploding Art
- Slime
- Doodle Bots

Science Night

We can come to your science night!! 1-2 of our staff can visit your sight and lead workshops as a part of a science night event hosted by your school. Contact us to request a quote.

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