

MUSEUM SCHOOL

1949-2019

A 70 year legacy of **extraordinary** learning!



SPRING 2020 **FRIDAY** STEM CLASSES

For homeschool students ages 6-14 (in grades 1-7)

Registration for the Spring 2020 program is open now. The class schedule grid is below with class descriptions on the next page. Registration instructions are on page 3.

Registrations will be accepted for a class until it begins, as long as there are openings. Class space is limited, so it is advisable to register early to insure a spot in class. The schedule grid below will be updated as classes fill.

For 70 years, Museum School has been a leader in informal science education. The engaging classroom environments and activities are supported by enthusiastic educators who support the joy of learning through discovery. Specimens and artifacts from the Museum's teaching collection are featured when appropriate to the class.

Museum School class topics vary each session, always keeping an engineering focus with a creative slant. Activities are designed so that students are able to construct their own knowledge of the world through hands-on experiences.



Call: 817-255-9333

Email: museumschool@fwmslh.org

Follow us on Facebook and Instagram!



© Fort Worth Museum of Science and History, 2020

SPRING 2020 FRIDAY HOMESCHOOL CLASS SCHEDULE

Below are class dates, times and fees for the Spring 2020 Friday STEM homeschool classes. Ages and grade levels must be observed when choosing classes. Fees include tuition, the \$5 non-refundable registration fee, supplies and a snack. Students should bring a non-perishable, nut-free (no peanuts or tree nuts) lunch a drink. We look forward to a fun session of creative engineering!

CLASS DATES ► ▼ AGES/GRADES	Friday February 14	Friday February 21	Friday March 6	Friday April 3	Friday April 10	Friday April 17
Age 6-8 by January 1, 2020 and currently working on a grade 1, 2, or 3 level	Heart Power 9 am - 2 pm \$75	■■■■	Egghead Engineers 9 am - 2 pm \$75	■■■■	Bot Encounters 9 am - 2 pm \$75	■■■■
Age 9-14 by January 1, 2020 and currently working on a grade 4, 5, 6 or 7 level	■■■■	Wearable Tech 9 am - 2 pm \$75	■■■■	Egghead Engineers 9 am - 2 pm \$75	■■■■	Bot Encounters 9 am - 2 pm \$75



STEM / STEAM (Science, Technology, Engineering, Art and Math) is all around us! These concepts are the core of Museum School programs. Student teams will work through creative engineering challenges using the Engineering Design Process to brainstorm, collaborate, plan, build, test, revise and share their design solution.

Most Museum School homeschool STEM classes focus on working as a team, so students will not always have a take-home project; however, they have the option to keep their own design notes and idea sketches. Some classes will occasionally include an individual student project to take home.

HEART POWER

(February 14 / Ages 6-8)



Students will investigate the heart through a variety of fun science and creative activities. Learn how important the strongest muscle in the human body is and take a look at some real animal hearts and a human heart model from

the Museum's science collection. Learn about the heart's electrical system, then explore electrical circuitry with wires, batteries, LED bulbs and craft materials to create a battery-powered, light-up valentine.

Class Closed

WEARABLE TECH

(February 21 / Ages 9-14)

What do you get when you combine clothing with electronics? High tech fashion! Crafting is a wonderful way to experiment with electronics through creative design. Students will learn basic circuitry knowledge along with a few sewing skills, then combine them to create a unique piece of wearable technology. Students will make a small learning project then move on to adding technology to a small, soft fabric item brought from home.

Class Closed

EGG-HEAD ENGINEERS

(March 6 / Ages 6-8; April 3 / Ages 9-14)

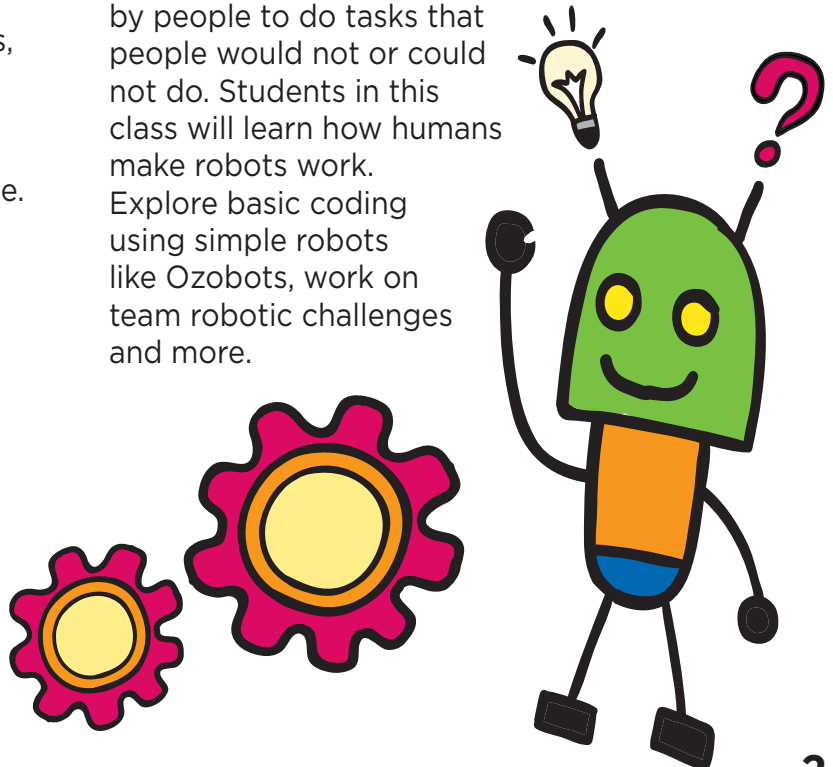
Despite its fragility, the egg's unique shape makes it very sturdy. The STEM teams will work together to investigate the strength of eggs by designing ways to protect it during dropping, testing how much weight they will hold and other egg challenges. They will also learn about other surprising oviparous animals, besides birds, that lay eggs.



BOT ENCOUNTERS

(April 10 / Ages 6-8; April 17 / Ages 9-14)

Many people think of robots as machines that look and act like people, though most do not. A robot is a machine that has been programmed by people to do tasks that people would not or could not do. Students in this class will learn how humans make robots work. Explore basic coding using simple robots like Ozobots, work on team robotic challenges and more.



REGISTRATION IS OPEN!

The registration form is on the following page. Print the form, complete all sections, then choose one of the options listed below to return it. Please be sure you have signed the registration form and included your payment.

Email

Save the completed form as a digital PDF or a scan and include your child's name in the file name. Please send a good quality scan (NO PHOTOS, PLEASE). We ask that you open the PDF before emailing to make sure it is legible and full size. Write "Museum School Registration" in the email subject line. Emailed registrations require the use of a credit card. Send your scanned registration to -

registermuschool@fwmschool.org

Drop Off *(please see note below)*

Bring the registration to the Museum School office any time during Museum School hours - Monday through Friday, 9 am - 4 pm. The Museum School building is on the north side of the Museum (same side as the Omni Theater entrance) and parking is in the Western Heritage Parking Garage across the street from Museum School turtle sculpture. Be aware that the garage is pay-to-park, however some days have free parking up to 45 minutes.

If you are bringing your registration in person, **it must be handed off at the Museum School office during the business hours listed above. *(Other Museum staff members are not allowed to accept registrations).***

** The Fort Worth Stock Show and Rodeo is in session in the Cultural District from now until February 8, 2020. All parking fees are \$15 during this event, therefore dropping off a registration is discouraged before February 10.*

Phone

Have your information ready and call the number listed below. Phone registrations require the use of a credit card. **If you register by phone, you will need to sign your child's registration at class drop-off.**

817-255-9335

Monday - Friday, 9 am - 4 pm

Class Fees

Class fees are listed on the class schedule grid and on the registration form. Fees include tuition, supplies and a \$5 non-refundable registration fee per class. Fees are due in full at the time of registration.

Confirmations

A class confirmation, Museum School policies, parking map and car tag will be emailed soon after the registration is received. Class confirmations will be returned to the originating email address. Please add the registermuschool@fwmschool.org email address to your contact list so the confirmation will not go to a spam file.

If your child's class is full and he/she is placed on a waiting list, you will not pay for the class unless your child is enrolled. Available openings for closed classes are filled from the waiting list. A registration may not transfer to another child, nor may a child switch class places with another child.

Refunds

No refunds will be given if a class is cancelled by a parent less than five business days before it begins.

If a class is cancelled by a parent outside of the five business day calendar deadline, the entire tuition - minus the registration fee of \$5 per class - will be refunded in the original form of payment.

Cancellations may be given by phone, however cancellation messages left on the voice-mail system cannot be accepted.

The Museum reserves the right to cancel a class if the minimum enrollment is not met six business days before its start date. If a class is cancelled and an alternate class cannot be found, a full refund will be made in the original form of payment.

CHILD 1 Last Name _____ First Name Your Child Goes By _____
 Male Female Child's Age _____ Child's birth date _____ Current Grade level _____
 Any medical needs, conditions or allergies? No Yes: please explain _____
 Medications? No Yes: please list medication/s _____

CHILD 2 Last Name _____ First Name Your Child Goes By _____
 Male Female Child's Age _____ Child's birth date _____ Current Grade level _____
 Any medical needs, conditions or allergies? No Yes: please explain _____
 Medications? No Yes: please list medication/s _____

Home Address _____ City _____ Zip _____

Email _____ (Required - you will only be contacted about class changes, cancellations or other registration questions.)

Parent/Guardian #1 First Name _____ Last Name _____ Daytime Number _____
 Home Cell

Parent/Guardian #2 First Name _____ Last Name _____ Daytime Number _____
 Home Cell

A second emergency contact - other than the one parent/guardian above - must be listed

Name _____ Relationship to your child _____ Daytime Number _____
 Home Cell

Please check all boxes and initial your preference for the photo release in the second section. I understand:

- That the Fort Worth Museum of Science and History will arrange any necessary emergency treatment in the event the parents or authorized person listed above cannot be reached. Name of your Child's Doctor _____ Doctor's Telephone _____
- That during each session, photographs or film of children in Museum School classes may be taken for archival and promotional purposes (for use in newspapers, television stories, Museum School brochures, Museum School social media (Facebook, etc.) No identification of students will ever be used.
PLEASE INITIAL YOUR PREFERENCE: _____ YES, my child's photograph may be used. _____ NO, my child's photograph may not be used.
- If I cancel a class outside of the five business day deadline, I will receive a full refund (less the \$5 non-refundable registration fee, and that no refunds, in any amount, will be given if I cancel a class less than five business days before it begins.

PARENT/GUARDIAN SIGNATURE* _____ **DATE** _____

Place an beside the class or classes in which you would like to enroll your child or children. Age/Grade levels must be observed when choosing classes.

Age 6-8 AND Grade 1-3 level		Age 9-14 AND Grade 4-7 level	
CHILD #1 _____ CHILD #2 _____ <input type="checkbox"/> Heart Power Friday, February 14 / 9 am-2 pm \$75 X ___ place/s CLASS CLOSED	CHILD #1 _____ CHILD #2 _____ <input type="checkbox"/> Wearable Tech Friday, February 21 / 9 am-2 pm \$75 X ___ place/s CLASS CLOSED		
CHILD #1 _____ CHILD #2 _____ <input type="checkbox"/> Egg-Head Engineers Friday, Marh 6 / 9 am-2 pm \$75 X ___ place/s	CHILD #1 _____ CHILD #2 _____ <input type="checkbox"/> Egg-Head Engineers Friday, April 3 / 9 am-2 pm \$75 X ___ place/s		
CHILD #1 _____ CHILD #2 _____ <input type="checkbox"/> Bot Encounters Friday, April 10 / 9 am-2 pm \$75 X ___ place/s	CHILD #1 _____ CHILD #2 _____ <input type="checkbox"/> Bot Encounters Friday, April 17 / 9 am-2 pm \$75 X ___ place/s		

If your first choice is full, do you have a second class choice? If alternate class choices are not listed, your child's/children's name/s will go on the waiting list and you will be contacted in the event of an opening. What is your second class choice? _____

If you are registering siblings and one cannot get their class/classes, do you want to register one without the other OR put all on the wait list?

PLEASE INDICATE YOUR PAYMENT METHOD:

CHECK # _____ **CREDIT CARD** AM DC MC VS
Make check payable to Fort Worth Museum of Science and History
 # _____ Exp. Date _____

YOUR FEE TOTAL:

\$ _____

SPRING 2020 SCH-AGE

THIS SECTION IS FOR OFFICE USE ONLY - PLEASE DO NOT WRITE IN THIS AREA

Cash Report Date _____ Cash Report # _____ # of classes _____ Total Payment Amount \$ _____