

THE EDUCATOR EVENT@HMNS



Saturday, January 19, 2019 | 8am to 1pm

Event Program

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The Houston Museum of Natural Science
www.hmns.org
For event questions, please contact:
EducatorEvent@hmns.org

Educator Information: What you need to know about The Educator Event @HMNS.

Attending

- Teachers
- School Administrators
- Education undergraduate and graduate students
- Home School educators
- Non-educator guests must purchase a ticket to the museum in order to gain access to the museum's exhibit halls and are not allowed to attend workshops.

Registering

Registration is FREE for all educators. Register on the HMNS [website](#) today!

Check-in on the day of the event will be at 8am in the Grand Hall at the Houston Museum of Natural Science. Please print [The Educator Event Passport](#) (at the end of this document), and bring it with you on the day of the event! This will serve as your ticket to The Educator Event @HMNS and the HMNS permanent exhibit halls until close on Saturday, January 19, 2019. For additional venues or special exhibitions, visit the HMNS Youth Education Sales table during the event for discounted rates.

Continuing Professional Education Credits (3 hrs)

Educators have the opportunity to earn three hours of CPE credit by attending three workshops. At the end of each workshop, educators will receive a stamp on their passport.

Workshops last 45 minutes. Late arrivals will not receive credit.

In order to receive credit, Educators must exchange a completed stamped passport (found at the end of this document) for a certificate. Educators must get three total stamps on their passport from three different workshops. Partial credit hours are not awarded at this event.

Complete stamped passports can be exchanged for a certificate beginning at 12:30pm.

The Educator Event @HMNS - 2019

Location

Houston Museum of Natural Science
5555 Hermann Park Drive
Houston, TX 77030

GPS compatible address ([map](#)):

5800 Caroline Street
Houston, TX 77030

Paid Parking is available in our parking garage attached to the Museum (**Lot B**). Free parking is available for 3 hours in Hermann Park (**Lot C** – see below). If you park in the HMNS garage, be sure to visit the HMNS Youth Education Sales table to get discounts on parking as well as special exhibits.



Informational Tables

Informational tables will be in the Grand Hall on the main level from 8 am to 1pm. Visit the tables throughout the event to talk to representatives from the following organizations:

- Big Thicket National Preserve
- Downtown Aquarium
- Fort Bend History Association
- FotoFest International
- Geophysical Society of Houston
- Houston Center for Contemporary Craft
- Houston Museum of Natural Science
- MdBio Foundation
- Moody Gardens
- Museum of Fine Arts, Houston
- Nature Discovery Center
- Oilfield Energy Center
- Rice Office of STEM Engagement
- San Jacinto Battleground SHS
- The Ensemble Theatre

Presentation Descriptions

Downtown Aquarium

Radical Reptiles

(Elementary, Middle and Homeschool)

In this program, participants learn about different types of reptiles, reptile adaptations and habitats, and then meet live reptiles up close! Participants will also learn about other educational opportunities offered at the Downtown Aquarium including programs, tours, and outreaches.

FotoFest International

Visual Literacy as a Means of Stimulating SEL Competencies

(Elementary, Middle and High School; Homeschool)

During their 2019 Educator Event presentation, FotoFest's learning program Literacy Through Photography (LTP) explores the interaction of the visual literacy lessons present in the LTP core curriculum across multiple SEL competencies. Educators will leave the workshop able to implement LTP's visual literacy technique in their classrooms to achieve their curricular goals and improve student social and emotional learning. The adaptable and dynamic LTP curriculum fosters creativity and ingenuity, and challenges students to think critically across disciplines.

Geophysical Society of Houston

Exploring for Petroleum – Modeling an Oil Reserve

(Middle School and High School; Homeschool)

Do you want to learn how to get rich drilling for oil? Doing this investigation will help you understand how geoscientists identify and explore petroleum-rich reserves.

Houston Center for Contemporary Craft

Crafting the Classroom

(Elementary, Middle and High School; Homeschool)

Join us as we discuss lesson ideas for using hands-on craft projects to enrich students' understanding of core subjects. Hear about educational opportunities at Houston Center for Contemporary Craft.

Houston Museum of Natural Science

Astronomy 101

(Elementary, Middle and High School; Home School)

Space is so big that it doesn't fit in our textbooks or classrooms, so it's a challenge to teach without teaching misconceptions. Astronomy 101 will present some ways to present difficult, possibly intimidating, concepts so that kids can understand them.

Houston Museum of Natural Science (cont.)

Bugs on Wheels: Plants and Pollinators

(Elementary, Middle and High School; Home School)

Giant katydids, hissing cockroaches, exotic beetles, and beautiful butterflies will fascinate students of all ages during fun, hands-on presentations. Our Cockrell Butterfly Center staff come right to you, bringing an array of specimens to introduce you to the wonderful world of plants, insects, and other arthropods! We offer seven separate programs, each with a different emphasis. This year we will highlight our new and improved Plants and Pollinators programs for the 2018-2019 school year!

Discovery Dome: Science Under the Dome (Grades K-2)

(Elementary & Home School)

Join us under the dome to discover how Big Bird, the Zula Patrol, Larry Cat, Accidental Astronauts and kids in a Cardboard Rocket can learn what's up in the universe. It's a Great Planet Adventure for our youngest audience.

Discovery Dome: Science Under the Dome (Grades 3-8)

(Elementary, Middle & Home School)

Astronomy Adventures await in our simulated universe under the dome. Plan a Great Planet Adventure, experience a Solar Super Storm, earn your Passport to the Universe, Travel through Time, fall into a Black Hole, or vanish in the Dark Universe.

Docents to Go: Astronomy

(Elementary, Middle and High School; Home School)

During a *Docents To Go* presentation, our expert volunteer docents will visit your organization with real Museum artifacts and specimens! Each 45-minute session is a hands-on, interactive, object-based learning experience. Investigate our place in space and ways we study this exciting place full of planets, moons, stars, and galaxies.

Early Investigations: The Magic of Electricity

(Elementary and Home School)

Ever wonder how we light our homes and power our televisions? Come join us in Early Investigations as we explore the Magic of Electricity. We will examine different forms of energy, operate a generator and experiment with magnets. Solar powered cars and human circuits are two of the wonders that we will experience.

Expedition Center: Missions to the Moon and Mars

(Elementary, Middle and High School; Home School)

From Mission Control, board our new space simulator for exciting, interactive, and STEM-focused experiences, with engaging teamwork challenges. Learn how students can be successful going to the Moon and Mars or being a scientist or engineer on Space Ship Earth.

Houston Museum of Natural Science (cont.)

Expedition Center: Deep Dive Mission

(Elementary, Middle and High School; Home School)

Board our Legacy submarine as we head out on a mission to follow the path of the famous iceberg to the legendary shipwreck of the RMS Titanic! Many new team problem solving tasks and exciting emergencies lurk under the sea.

ExxonMobil Educator Maker Labs

(Elementary, Middle and High School; Home School)

Join us for an ExxonMobil Educator Maker Lab! These workshop engage learners in hands-on, open-ended activities where often answers must be engineered! Today's activity has participants discovering the science and art of pinning butterflies.

George Observatory: Exploring the Heavens

(Elementary, Middle and High School; Home School)

The sky is full of wondrous objects that we can see with our eyes. How do we see more? How do we make sense of what we see? Learn how we increase our ability to see clearer, farther, older using telescopes and other tools of the astronomer's trade.

Wildlife on Wheels

(Elementary, Middle and High School; Home School)

Featuring a wide variety of live animals and real Museum specimens, Wildlife On Wheels gives students a unique, hands-on opportunity to learn the basics of animal life. Meet unusual animals and learn about their adaptations for survival as you experience life science in a whole new way!

Houston Zoo

Digging Deeper: Cultivating the Seeds of Conservation in the Classroom

(Elementary, Middle and High School; Home School)

Join us to learn about becoming an environmental steward, discover conservation opportunities in our local community, and explore how Houston Zoo partners from around the world impact their own communities.

MdBio Foundation

Engineering on the Explorer Lab

(Middle School)

Verizon Innovative Learning offers a one of a kind immersive experience aboard the explorer lab. It's designed to teach middle school students about engineering design in an unforgettable way. Teachers can visit and experience to sign up their own school.

Moody Gardens

Interpretation 101

(Elementary, Middle and High School; Home School)

With the appropriate tools regardless of the selected subject, Interpretation 101 will offer the Educator a variety of methods for making their subject or classroom come alive by creating the “Ah Ha” moment for and with their students.

Museum of Fine Arts, Houston

Bring your ‘A’ Game: steAm and mfAh

(Elementary and Middle School)

The Museum of Fine Arts, Houston (MFAH) and STEAM make a great team! Engage in PK-8 Project Based Learning experiences that bridge the Museum of Fine Arts, Houston with science, technology, engineering and math TEKS.

Oilfield Energy Center

Brown Bag Challenges

(Elementary and Middle School)

Incorporating STEM activities into your science classroom increases student engagement. Competition makes learning fun. These challenges are very effective to use for lesson enrichment and great to use for “Family Science Night”. In addition, these instructional tools are inexpensive and can be used and adapted by all teachers.

Playful Learning – Engaging Strategies for the Early Childhood Learner

(Elementary School)

Keeping students engaged in the learning process takes imagination and careful planning. The student centered approach of these hands-on activities place the teacher as a facilitator of learning instead of a presenter. Our workshop will provide STEAM strategies that can be used to engage, explore, explain, evaluate, or enrich your student’s learning.

San Jacinto Battleground/Battleship Texas SHS

The Battle of San Jacinto – The Decisive Battle Which Took The World by Surprise

(Elementary, Middle and High School; Home School)

Come join us in exploring the battle of San Jacinto and soldier life on the Texas frontier during the 19th century! In this program we will discuss the Texan and Mexican armies and what it would be like to be an individual amongst their ranks; we will discuss how, against all odds, the decisive battle of San Jacinto ended as a Texian victory and what this meant for both Texas and American history.

San Felipe de Austin State Historic Site

Field Trips to San Felipe de Austin State Historic Site

(Elementary School, Middle School and Home School)

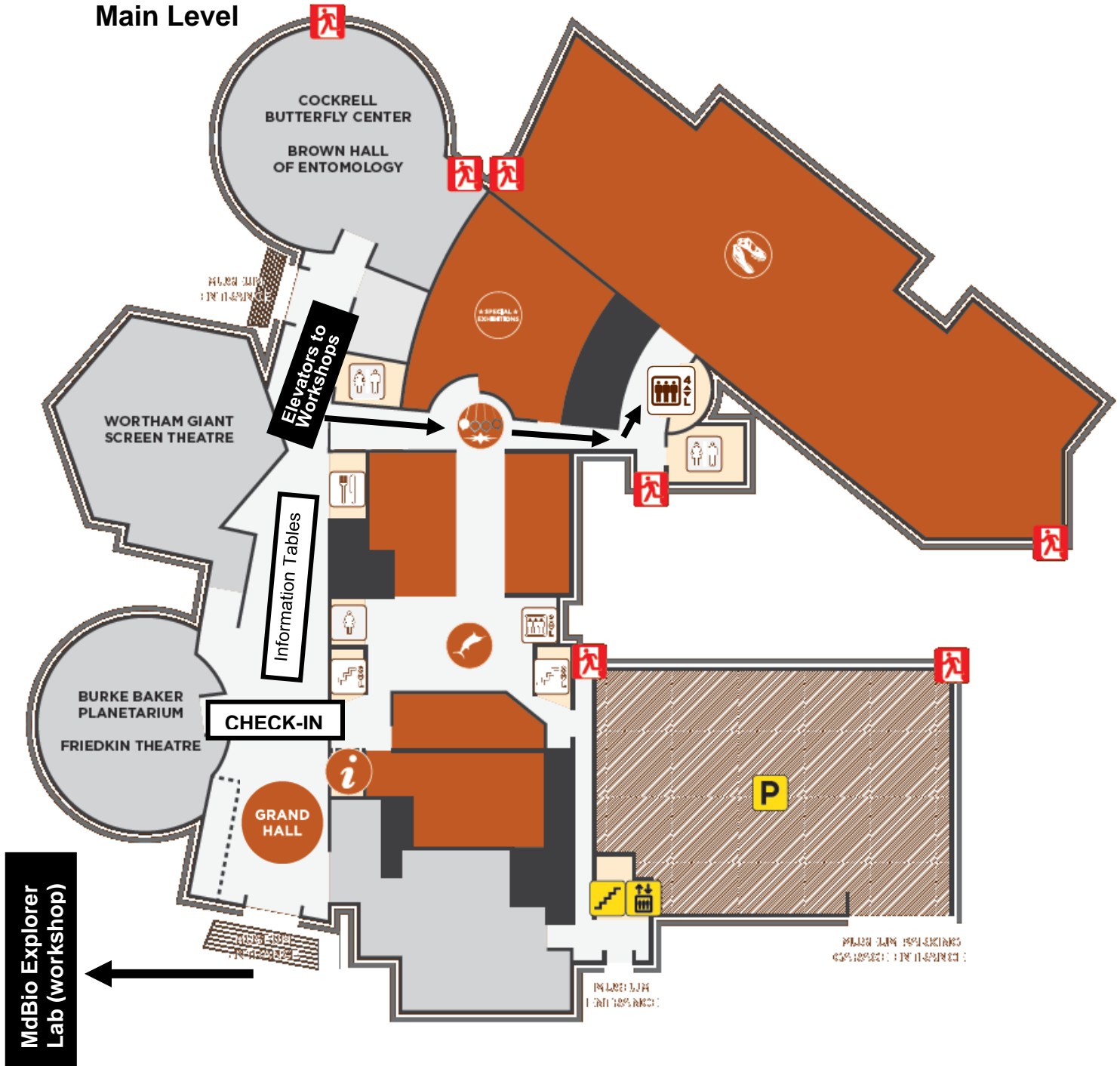
This session will update educators on the new museum related to Stephen F. Austin’s Colony in Mexican Texas, and the townsite he established as his headquarters. Field trips are focused on the 4th grade, along with outreach and distance learning experiences. Archeological investigations have yielded a great deal of information about life in San Felipe

The Educator Event @HMNS - 2019

in the 1830s, and in this session, educators will handle artifacts recovered during excavations, and have the opportunity to experience what archeologists do in the lab.

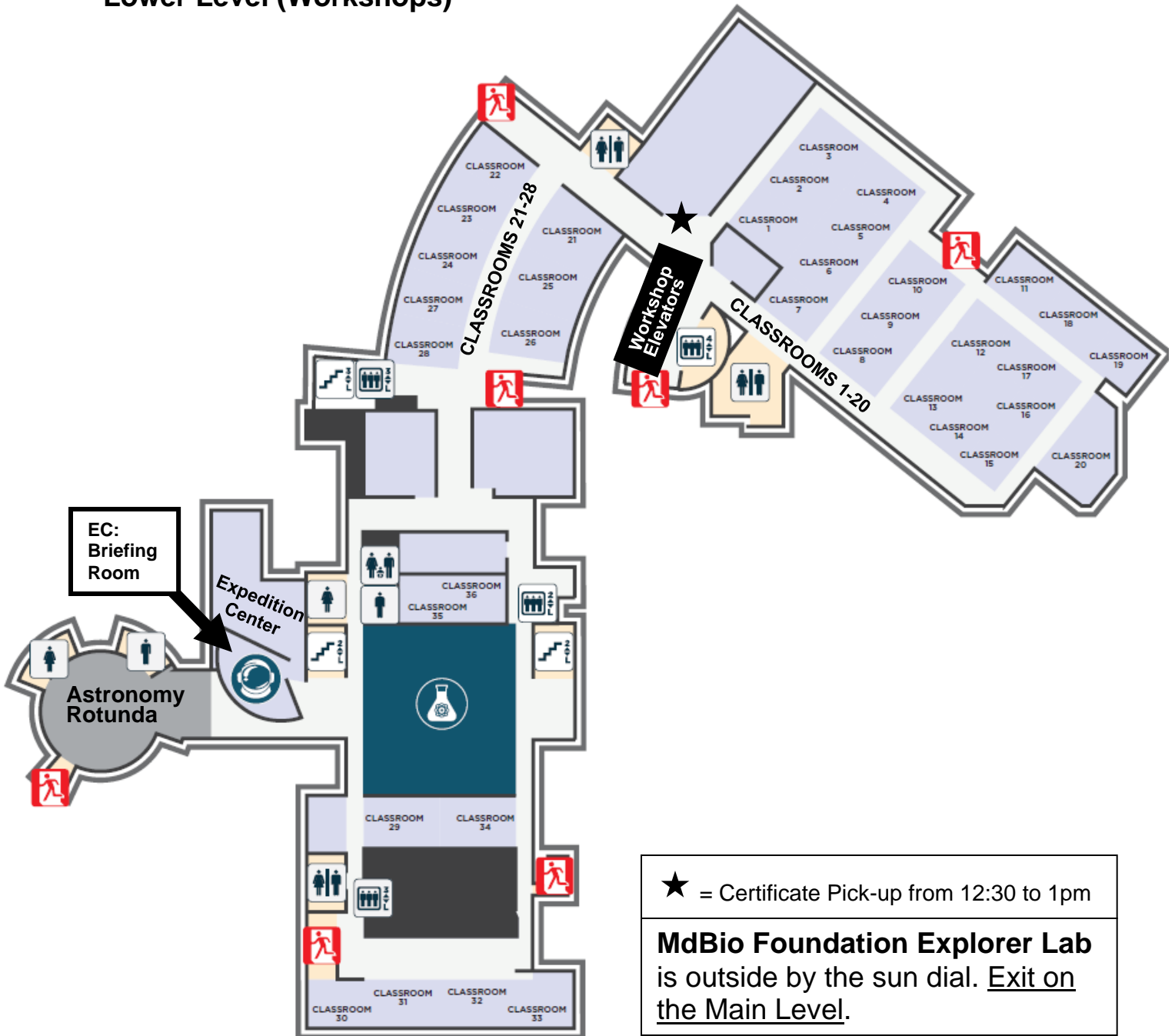
HMNS Maps:

Main Level



HMNS Maps:

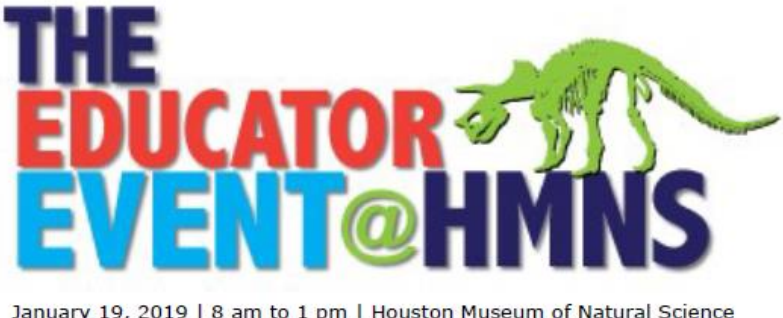
Lower Level (Workshops)



Passport:

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Name:		
School District: _____ _____ For CPE certificate (3 hours): Attend three workshops Receive stamps (below) for each Late arrivals to workshops will not receive stamp Exchange passport for certificate 12:30pm to 1pm on Lower Level		
		
1	2	3
Workshop Name	Workshop Name	Workshop Name
Time	Time	Time
WORKSHOP STAMP	WORKSHOP STAMP	WORKSHOP STAMP

2019 Schedule

The Educator Event @HMNS
January 19, 2019
8am - 1pm

8:00	Check-in opens in the Grand Hall									
8:00-8:30am	Welcome Coffee and Informational Tables open in Grand Hall									
8:30-8:45am	Featured Guest Speaker - Nicole Temple, curator of Death by Natural Causes									

Time	Presentations on the Lower Level										
	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	
9:15-10:00am	2	4	5	6	7	8	9	10	11	19	
10:00-10:10:55am	San Jacinto Battleground: The Battle of San Jacinto (E, M, H & HM)	HANS Bags on Wheels: Pans and Pallets (E, M, H & HM)	San Felipe de Austin State Historic Site: Field Trips to San Felipe de Austin State Historic Site (E, M & HM)	HANS Docents to Go: Astronomy (E, M, H & HM)	Museum of Fine Arts, Houston: Bring your 'A' Game: steak and rFah (E & M)	Houston Zoo: Cultivating the Seeds of Conservation in the Classroom (E, M, H & HM)	Footprint: Visual Literacy as a Means of Stimulating SEL Competencies (E, M, H & HM)	Down in Aquarum: Radical Reptiles (E, M & HM)	HANS: Exorbital Educator Maker Labs (E, M, H & HM)	Geophysical Society of Houston: Exploring for Petroleum (M, H & HM)	HANS: Wildlife on Wheels (E, M, H & HM)
11:05-11:50am	San Jacinto Battleground: The Battle of San Jacinto (E, M, H & HM)	HANS Bags on Wheels: Pans and Pallets (E, M, H & HM)			Museum of Fine Arts, Houston: Bring your 'A' Game: steak and rFah (E & M)	Houston Zoo: Cultivating the Seeds of Conservation in the Classroom (E, M, H & HM)		Down in Aquarum: Radical Reptiles (E, M & HM)	HANS: Exorbital Educator Maker Labs (E, M, H & HM)		HANS: Wildlife on Wheels (E, M, H & HM)
12:00-12:45pm	San Jacinto Battleground: The Battle of San Jacinto (E, M, H & HM)			HANS Docents to Go: Astronomy (E, M, H & HM)		Houston Zoo: Cultivating the Seeds of Conservation in the Classroom (E, M, H & HM)		Down in Aquarum: Radical Reptiles (E, M & HM)	HANS: Exorbital Educator Maker Labs (E, M, H & HM)		HANS: Wildlife on Wheels (E, M, H & HM)
12:30-1:00 pm	Receive Certificates on Lower Level (must turn in completed passport to receive certification)										

E = Elementary (K-5); M = Middle School Educators (6-8); H = High School Educators (9-12); HM = Home School Educators

The Houston Museum of Natural Science wishes to thank our 2018-2019 Partners in Education for their support of our science education programming.

The Brown Foundation, Inc.

Occidental Petroleum

The Newfield Foundation

MD Anderson Foundation

The Harry W. Bass, Jr. Foundation

ConocoPhillips

Andrew Delaney Foundation

Phillips 66

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CFP Foundation

The George Foundation

American Association of Petroleum Geologists Foundation

BMC Software

CenterPoint Energy

Fort Bend Junior Service League

Golf for Greater Houston and Fluor

HEB Tournament of Champions

Fred and Mabel R. Parks Foundation

Kinder Morgan

Morgan Stanley

MD Anderson Cancer Center

Arup

Houston Methodist Sugar Land Hospital

The Lubrizol Foundation

Next Level Urgent Care

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