

THE EDUCATOR EVENT@HMNS



Saturday, January 23, 2016 | 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 23, 2016. 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 workshops.

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

The Educator Event @HMNS

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 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 event to talk to representatives from the following organizations:

- 1940 Air Terminal Museum
- Asia Society
- Bayou Bend Collection and Gardens, MFAH
- Bayou Land Conservancy
- Big Thicket National Preserve
- City of Houston WaterWorks Education Center
- Downtown Aquarium
- FotoFest/Artist Boat
- Geophysical Society of Houston
- Holocaust Museum Houston
- Houston Arboretum & Nature Center
- Houston Center for Contemporary Craft
- Houston Center for Photography
- Houston Museum of Natural Science
- Houston SPCA
- Lawndale Art Center
- Lone Star Flight Museum
- Minute Maid Park Tours
- Moody Gardens®
- National Museum of Funeral History
- NRG Energy
- Offshore Energy Center
- San Jacinto Battleground State Historic Park
- Space Center Houston
- The African American Library at the Gregory School
- The Heritage Society
- The Printing Museum
- The Tailored Teacher, LLC

Presentation Descriptions

FotoFest / Artist Boat

Changing Circumstances: An Eco-Collaborative Curriculum Workshop (Middle school)

Explore the FotoFest 2016 Biennial Curriculum, Changing Circumstances: Looking at the Future of the Planet. Bridging art, science, and service learning, the curriculum offers dynamic new ways to discuss the science of sustainability and contemporary photography in your classroom.

Houston Center for Contemporary Craft

Crafting the Classroom: Integrating Hands-on Art into Core Subjects (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. Create a beautiful brooch using the traditional metalworking techniques of repoussé and chasing. Hear about educational opportunities at the Houston Center for Contemporary Craft.

Houston Center for Photography

Creating Stories: The Visual Telephone Game (Elementary, Middle and High School; Homeschool)

We are constantly viewing thousands of images voluntarily and involuntarily but are we actively thinking about the images we see and their messages? This fun activity is designed to help students learn to decode visual symbols in a photograph through the creation of a story. In this process, students will learn to read, speak, listen, write and think about the meaning of an image.

Houston Museum of Natural Science

Astronomy 101 (Elementary, Middle and High School; Home School)

Join Astronomers from the George Observatory to learn how astronomy has become increasingly multi-disciplinary with high interest content for all grade levels. Join us to learn more about how Astronomy can fit into Space Science, Earth Science, Life Science and Physical Science Classrooms.

Bugs on Wheels – Amazing Arthropods (Elementary, Middle and High School; Home School)

Meet real Entomologists and Horticulturists from the Cockrell Butterfly Center! Butterfly Center staff members will introduce you to the spectacular, exotic live specimens in the popular program, Amazing Arthropods! This interactive, hands-on look at the most ubiquitous group of animals in the world provides educational entertainment for students of all ages.

The Educator Event @HMNS

Discovery Dome

(Elementary, Middle and High School; Home School)

Bring the wonders of HMNS's Burke Baker Planetarium to your school with the portable, inflatable Discovery Dome! Young learners can explore the night sky with Elmo and Big Bird or take a ride on a cardboard rocket through the solar system. Older students can discover the biology behind the human body or the formation of a black hole, among others. Many of our shows cover TEKS objectives on a variety of topics, including weather, astronomy, geology and more!

TOTAL Wildlife on Wheels

(Elementary, Middle and High School; Home School)

Featuring a wide variety of live animals and real Museum specimens, TOTAL 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!

Wiess: Current State of Energy

(Elementary, Middle and High School; Home School)

From the formation of fossil fuels to fascinating new energy technologies, this comprehensive, interactive workshop encourages and promotes energy literacy. In this workshop, teachers will discover hands-on activities and take home Guide, generously supported by PwC.

Moody Gardens

Hero! Habitat! Bio-Diversity & Conservation!

(Elementary, Middle, and High School; Home School)

Introducing, Moody Gardens Road Show, "Elements of Nature".

Imagine your students surprise when they discover a penguin's nest is made of POO! "Our" chocolate is the sole responsibility of an almost microscopic, teeny tiny fly! Courtesy of Tropical America's Arrow Frog, their poison is converted into medicine. Within the Tropical Rainforest bio-diversity abounds, benefitting us all!

As, your selected "Element" unfolds students will have the opportunity to experience bio-facts, artifacts, photographs, and fun fact enhancing their learning experience; inciting curiosity, and offering an understanding of each animal.

NRG Energy

Hoover Dam and a Bag of Chips: A Transforming Experience

(Middle School and Home School)

Step back in time for the dedication of Hoover Dam. This interactive experience explores Hoover Dam through a constructivist approach. Take away a gaming template and other technology-based lessons for Science lessons about energy forms and conversions.

Offshore Energy Center

The Educator Event @HMNS

Deep Sea

(Elementary)

Teachers in the younger grades will enjoy allowing students create an ocean view of plant and animal life as seen through the window of a Remotely Operated Vehicle (ROV) using paper plates, cellophane, and ocean life foam pieces. This activity adds the A (art) to STEM- STEAM. Each participant will receive a copy of the National Ocean Industries Association (NOIA) activity book. The activity is hands on and inexpensive. A square puzzle will be given to each participant that will review plant and animal sea life.

It's Only Natural!

(Elementary)

Engage your students with a plethora of hands on activities dealing with natural resources. Learn how to use inexpensive items to create extraordinary, fun science lessons. Participants will play Natural Resource Bingo in a non-traditional manner, scavenge for products in newspaper ads, create a mobile of the 7 types of natural resources and include examples, solve 2 square puzzles, and view various ways to create mini-learning stations in their classrooms.

San Jacinto Battleground State Park

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.

The Printing Museum

Pocket Books for the Classroom

(Elementary Middle and High School; Homeschool)

Learn about printing and the books arts at The Printing Museum (TPM). TPM Curator will provide an overview of the museum and the 2016 programming, including workshops. Then, Janet Reynold's, TPM volunteer and Houston Book Arts guild member, will conduct a hands-on workshop leading attendees to make a Pocket Book. Reynold's will discuss ways to incorporate the book arts into lesson planning and curriculum planning. Year-round workshops and guild involvement at TPM provide teachers with creative learning that can be brought back to the classroom. Attendees will leave with a self-made pocket book and a list of Spring 2016 workshops offered at TPM.

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Passport:

Please print **The Educator Event Passport** 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 23, 2016. For additional venues or special exhibitions, visit the HMNS Youth Education Sales table during the event for discounted rates.

In order to receive credit, Educators must exchange a completed stamped passport for a certificate. Educators must get 3 total stamps on their passport from three workshops.

<p>Name: _____</p> <p>_____</p> <p>School District: _____</p> <p>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</p>	 <p>January 23, 2016 8 am to 1 pm Houston Museum of Natural Science</p>	
<h1 style="margin: 0;">PASSPORT</h1> 2016		
1	2	3
Workshop Name	Workshop Name	Workshop Name
Time	Time	Time
WORKSHOP STAMP	WORKSHOP STAMP	WORKSHOP STAMP

2016 Schedule

The Educator Event @HMNS

January 23, 2016

8am - 1pm

Welcome Coffee and Informational Tables open in Grand Hall

Featured Guest Speaker - Dr. Nancy Greig

Presentations on the Lower Level

8:00-8:30am	Welcome Coffee and Informational Tables open in Grand Hall													
8:15-8:45am	Featured Guest Speaker - Dr. Nancy Greig													
	Presentations on the Lower Level													
9:15-10:00am	Classroom 2/3	Classroom 4/5	Classroom 6	Classroom 7	Classroom 8	Classroom 9	Classroom 20	MORAN Lecture Hall	Classroom 22	Classroom 23	Classroom 24	Classroom 26	Classroom 27	Expedition Center
10:00am	San Jacinto Battleground State Historic Site: The Battle of San Jacinto (E, M, H & HM)	HMNS: Bugz on Wheels (E, M, H & HM)	Offshore Energy Center: It's Only Natural! (E)		Houston Center for Photography: Creating Stories (E, M, H & HM)	The Printing Museum: Pocket Books for the Classroom (E, M, H & HM)		HMNS: Discovery Dome (E, M, H & HM)		Moody Gardens: Herol Habitat Bio-Diversity and Conservation! (E, M, H, & HM)			NRG Energy: Hoover Dam and a Bag of Chips (M & H)	HMNS: Astronomy 101 (E, M, H, & HM)
10:10-10:55am	San Jacinto Battleground State Historic Site: The Battle of San Jacinto (E, M, H & HM)			Offshore Energy Center: Deep Sea (E)			HMNS: Wildlife on Wheels (E, M, H & HM)	HMNS: Discovery Dome (E, M, H & HM)	FotoFest/ Artist Boat: Changing Circumstances (M)		Houston Center for Contemporary Craft: Crafting the Classroom (E, M, H & HM)		NRG Energy: Hoover Dam and a Bag of Chips (M & H)	HMNS: Astronomy 101 (E, M, H, & HM)
11:05-11:50am	San Jacinto Battleground State Historic Site: The Battle of San Jacinto (E, M, H & HM)		Offshore Energy Center: It's Only Natural! (E)		Houston Center for Photography: Creating Stories (E, M, H & HM)	The Printing Museum: Pocket Books for the Classroom (E, M, H & HM)		HMNS: Discovery Dome (E, M, H & HM)		Moody Gardens: Herol Habitat Bio-Diversity and Conservation! (E, M, H, & HM)	Houston Center for Contemporary Craft: Crafting the Classroom (E, M, H & HM)	HMNS: Wires - The Current State of Energy (E, M, H & HM)		HMNS: Astronomy 101 (E, M, H, & HM)
12:00-12:45pm		HMNS: Bugz on Wheels (E, M, H & HM)		Offshore Energy Center: Deep Sea (E)		The Printing Museum: Pocket Books for the Classroom (E, M, H & HM)	HMNS: Wildlife on Wheels (E, M, H & HM)	HMNS: Discovery Dome (E, M, H & HM)			Houston Center for Contemporary Craft: Crafting the Classroom (E, M, H & HM)	HMNS: Wires - The Current State of Energy (E, M, H & HM)	NRG Energy: Hoover Dam and a Bag of Chips (M & H)	HMNS: Astronomy 101 (E, M, H, & HM)
12:30-1:15 pm	Pass out Certificates in Classroom 2/3													

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

The Educator Event @HMNS

The Houston Museum of Natural Science wishes to thank our 2015-2016 Partners in Education for their support of our science education programming.

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