### IN PERSON LABS
(at HMNS Hermann Park)

#### Tuesday, September 21, 2021
- **9:30 AM** Dissection: *The Eyes Have It!*
- **11:00 AM** Wildlife: *Get Batty!*
- **1:00 PM** TechnoScience: *Storm Science*

#### Tuesday, October 19, 2021
- **9:30 AM** Dissection: *Colossal Calamari*
- **11:00 AM** Earth Science: *Volcanoes*
- **1:00 PM** Time: *Ancient Writing*

#### Tuesday, November 2, 2021
- **9:30 AM** Time: *We Built This City*
- **11:00 AM** Wildlife: *Tail Me About it*
- **1:00 PM** TechnoScience: *Electricity*

#### Monday, December 13, 2021
- **9:30 AM** Wildlife: *Insect Classification*
- **11:00 AM** Time: *Egyptian Mummies*
- **1:00 PM** TechnoScience: *Cool Chemistry*

#### Tuesday, January 19, 2022
- **9:30 AM** TechnoScience: *Soap Science*
- **11:00 AM** Dissection: *Movers and Shakers*
- **1:00 PM** Time: *Seven Wonders of the Ancient World*

#### Tuesday, February 22, 2022
- **9:30 AM** Time: *Roman Water*
- **11:00 AM** Earth Science: *Crystallography and Crystal Formation*
- **1:00 PM** Wildlife: *Glorious Galapagos*

#### Tuesday, March 22, 2022
- **9:30 AM** Wildlife: *Backyard Birding*
- **11:00 AM** Time: *Gallant Gladiators*
- **1:00 PM** Dissection: *Legless and Loving it!*

#### Thursday, April 14, 2022
- **9:30 AM** Earth Science: *Compost, What is it Good For?*
- **11:00 AM** TechnoScience: *Bridges*
- **1:00 PM** Wildlife: *“Pests” Controlling Pests*

#### Tuesday, May 17, 2022
- **9:30 AM** Earth Science: *Hurricanes*
- **11:00 AM** Wildlife: *Sahara*
- **1:00 PM** TechnoScience: *Motion and Machines*

### VIRTUAL LABS

#### Tuesday, September 14, 2021
- **9:30 AM** Wildlife: *Get Batty!*
- **11:00 AM** TechnoScience: *Storm Science*
- **1:00 PM** Dissection: *The Eyes Have It!*

#### Tuesday, October 12, 2021
- **9:30 AM** Time: *Ancient Writing*
- **11:00 AM** Dissection: *Colossal Calamari*
- **1:00 PM** Earth Science: *Volcanoes*

#### Thursday, November 18, 2021
- **9:30 AM** TechnoScience: *Electricity*
- **11:00 AM** Time: *We Built This City*
- **1:00 PM** Wildlife: *Tail Me About it*

#### Tuesday, December 14, 2021
- **9:30 AM** TechnoScience: *Cool Chemistry*
- **11:00 AM** Wildlife: *Insect Classification*
- **1:00 PM** Time: *Egyptian Mummies*

#### Thursday, January 11, 2022
- **9:30 AM** Time: *Seven Wonders of the Ancient World*
- **11:00 AM** TechnoScience: *Soap Science*
- **1:00 PM** Dissection: *Movers and Shakers*

#### Thursday, February 8, 2022
- **9:30 AM** Wildlife: *Glorious Galapagos*
- **11:00 AM** Time: *Roman Water*
- **1:00 PM** Earth Science: *Crystallography and Crystal Formation*

#### Thursday, March 24, 2022
- **9:30 AM** Dissection: *Legless and Loving it!*
- **11:00 AM** Wildlife: *Backyard Birding*
- **1:00 PM** Time: *Gallant Gladiators*

#### Thursday, April 21, 2022
- **9:30 AM** Wildlife: *“Pests” Controlling Pests*
- **11:00 AM** Earth Science: *Compost, What is it Good For?*
- **1:00 PM** TechnoScience: *Bridges*

#### Thursday, May 19, 2022
- **9:30 AM** Earth Science: *Hurricanes*
- **11:00 AM** Wildlife: *Sahara*
- **1:00 PM** TechnoScience: *Motion and Machines*

Registration must be completed 72 hours prior to the start of the virtual lab.

Turn over for information on the Weekday Lab Topics.
**Time Labs**

- **Ancient Writing (October)** – Explore the evolution of writing from pictograms to phonograms. Then experiment with recreating the tools used by the ancient scribes to create their work.
- **We Built This City (November)** – Investigate the ruins of ancient cities and what they can tell us. Then try your hand at ancient urban engineering as you develop a plan for your own city.
- **Egyptian Mummies (December)** – Discover the process of mummmifying the dead in ancient Egypt. Then delve into the closely held secrets of the ancient embalmers as you prepare your own mummy for burial.
- **Seven Wonders of the Ancient World (January)** – Journey with us as we visit the wonders of the ancient world. Then investigate how numismatists helped piece together the story of these amazing creations by creating your own coin.
- **Roman Water (February)** – Journey to ancient Rome as we uncover the genius of the Roman aqueducts and what innovate features made them work. Then work in teams to design and create a working model.
- **Gallant Gladiators (March)** – The truth about gladiators may surprise you! Come uncover the facts about these ancient celebrities as we venture into the arena and meet the characters who fought on the sand.

**Wildlife Labs**

- **Get Batty! (September)** – Who runs the best pest control service in Houston? It might just be our bats! Get to know your neighbors as we learn about bats.
- **Tail Me About It (November)** – Pay attention to de-tails and study colorful, wagging, gripping animal tail adaptations.
- **Insect Classification (December)** – Find out why beetles aren’t bugs, why termites got a demotion, and why praying mantids are just fancy roaches.
- **Glorious Galapagos (February)** – Giant tortoises are just the start of the incredible flora and fauna of the Galapagos.
- **Backyard Birding (March)** – The Greater Houston area is a wonderful location for birding, much of which you can even do from the comfort of your own home! Learn how to identify your backyard species.
- **“Pests” Controlling Pests (April)** – They may be ugly (to some), but these animals protect our food and devour vectors of disease. Come to this lab to hear why you should welcome snakes, opossums and more around your home.
- **Sahara (May)** – Discover how wildlife survives, and even thrives, in the world’s largest desert that can reach temperatures over 130°F; and do it all from the comfort of an air conditioned classroom!

**Southwestern Energy Earth Science Labs**

- **Volcanoes (October)** – Magma or lava? Explosive or effusive? Explore the types of volcanoes and discover some historic eruptions in this class!
- **Crystallography and Crystal Formation (February)** – From salt to snowflakes, crystals are an important part of geology. Discover the importance of crystal structure and how they are formed!
- **Compost, What Is It Good For? (April)** – Explore what compost is all about! Determine what every compost pile needs to turn food scraps and yard waste into nutrient rich soil!
- **Hurricanes (May)** – It’s hurricane season! Learn about these powerful storms, how they form and how to prepare for them in this whirlwind class.

**ConocoPhillips TechnoScience Labs**

- **Storm Science (September)** – Explore weather and the tools we use to measure and predict it.
- **Electricity (November)** – Explore current, voltage and resistance as you build circuits.
- **Cool Chemistry (December)** – Check out chemical changes and find out what makes them happen.
- **Soap Science (January)** – Investigate bubbles, emulsification, and soap films.
- **Bridges (April)** – Build models and investigate forces to determine what makes a sturdy structure.
- **Motion and Machines (May)** – Make work easier as you explore gears, levers and other simple and compound machines.

**Dissection Labs**

Featuring dissections for grades 5-10.

- **The Eyes Have It (September)** – Blind spots, color blindness, or myopia a problem? Come find out why as you take an inside look at the eye and see how it functions. Includes eyeball dissection.
- **Colossal Calamari (October)** – Learn about internal and external anatomy of a common cephalopod, the squid through dissection. Learn how the squid differs from other mollusk in this inky dissection. Includes squid dissection.
- **Movers and Shakers (January)** – How do you move? In this class you earn about muscle and bone structure and function. Find out what your muscle are made of! Includes chicken foot dissection.
- **Legless and Loving It! (March)** – Learn about snake adaptations through internal and external exploration. Learn how their body form is adapted to many different environments. Includes snake dissection.

**HMNS and HMNS Sugar Land Weekday Lab Topics**

- **Pests – Controlling Pests (April)** – They may be ugly (to some), but these animals protect our food and devour vectors of disease. Come to this lab to hear why you should welcome snakes, opossums and more around your home.
- **Compost, What Is It Good For? (April)** – Explore what compost is all about! Determine what every compost pile needs to turn food scraps and yard waste into nutrient rich soil!
- **Hurricanes (May)** – It’s hurricane season! Learn about these powerful storms, how they form and how to prepare for them in this whirlwind class.

**HMNS and HMNS Sugar Land Weekday Lab Topics**