

## HMNS Class Descriptions 2021-2022

Grades K-2:

September 22 - **Get Batty!** - 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.

October 27 - **Volcanoes!** - Magma or lava? Explosive or effusive? Explore the types of volcanoes and discover some historic eruptions in this class!

November 10 - **Tail Me About It** - Pay attention to de-tails and study colorful, wagging, gripping animal tail adaptations.

December 15 - **Egyptian Mummies** - Discover the process of mummifying the dead in ancient Egypt. Then delve into the closely held secrets of the ancient embalmers as you prepare your own mummy for burial.

January 19 - **Soap Science** - Investigate bubbles, emulsification, and soap films.

February 16 - **Glorious Galapagos** - Giant tortoises are just the start of the incredible flora and fauna of the Galapagos.

March 23 - **Backyard Birdding** - The Greater Houston area is a wonderful location for birdding, much of which you can even do from the comfort of your own home! Learn how to identify your backyard species.

April 20 - **Compost, What is it Good For?** - Explore what compost is all about! Determine what every compost pile needs to turn food scraps and yard waste into nutrient rich soil!

May 18 - **Motion and Machines** - Make work easier as you explore gears, levers and other simple and compound machines.

## HMNS Class Descriptions 2021-2022

Grades 3-5:

September 22 - **Storm Science** - Explore weather and the tools we use to measure and predict it.

October 27 - **Ancient Writing** - Explore the evolution of writing from pictograms to phonograms. Then experiment with recreating the tools used by the ancient scribes to create their work.

November 10 - **We Built This City** - 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.

December 15 - **Insect Classification** - Find out why beetles aren't bugs, why termites got a demotion, and why praying mantids are just fancy roaches.

January 19 - **Seven Wonders of the Ancient World** - 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.

February 16 - **Crystallography and Crystal Formation** - From salt to snowflakes, crystals are an important part of geology. Discover the importance of crystal structure and how they are formed!

March 23 - **Gallant Gladiators** - 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.

April 20 - **Bridges** - Build models and investigate forces to determine what makes a sturdy structure.

May 18 - **Sahara** - 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!

## HMNS Class Descriptions 2021-2022

Grades 6+:

September 22 - **The Eyes Have It\*** - 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.*

October 27 - **Colossal Calamari** - Learn about internal and external anatomy of a common cephalopod, the squid through dissection. Learn how the squid differs from other mollusks in this inky dissection. *\*Includes squid dissection.*

November 10 - **Electricity** - Explore current, voltage and resistance as you build circuits.

December 15 - **Cool Chemistry** - Check out chemical changes and find out what makes them happen.

January 19 - **Movers and Shakers\*** - How do you move? In this class you learn about muscle and bone structure and function. Find out what your muscles are made of! *\*Includes chicken foot dissection.*

February 16 - **Roman Water** - Journey to Ancient Rome as we uncover the genius of the Roman aqueducts and what innovative features made them work. Then work in teams to design and create a working model.

March 23 - **Legless and Loving It!\*** - Learn about snake adaptations through internal and external exploration. Learn how their body form is adapted to many different environments. *\*Includes snake dissection.*

April 20 - **“Pests” Controlling Pests** - 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.

May 18 - **Hurricanes** - It's hurricane season! Learn about these powerful storms, how they form and how to prepare for them in this whirlwind class.