



FBISD GT Night at the Museum Family Event

Thursday 10/17/19 @ 5:30p-7:30p

Join us as Fort Bend ISD GT Families take over the Houston Museum of Natural Science for the Night!

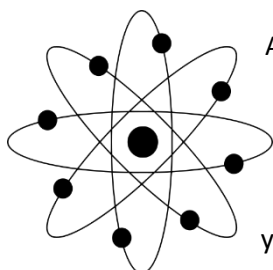
Timed & Ticketed activities – Choose one. Up to 20-25 tickets will be issued per 30 minutes!

- **Paleo Prep Lab - Science in progress!**



Fossils are the key to understanding life through time! Permian Age fossils, encased in rock and soil, are prepared in Sugar Land's interactive Paleo Prep Lab. You can learn prep tools and techniques, like cleaning and identifying - it's amazing how "dirty" the fossils initially are! Work with the basic tools of the trade, like dental tools, q-tips, vinegar, magnifying glasses etc. You'll also learn about Seymour, Texas, where the fossils come from, and about what a "real" Paleontologist does – don't worry, there aren't any snakes or centipedes or cacti in the museum. You can start prepping and have fun!

- **Create your own Electroscope**



Are you familiar with static electricity? This activity encourages visitors to build an *electroscope*—a simplified version of one of the tools scientists use to study the invisible forces on Earth and in space. Participants will learn how static electricity works, how scientists can use it to study space, and how it sometimes presents challenges to tools, electronics and spacecraft. You'll also learn how to test the tool at home and discover ways you can safely generate static electricity.

Adapted from Simple Electroscope, by Museum of Science Boston Sciencenter and developed for the NISE Network by the Sciencenter.

Ongoing activities throughout the evening – Drop by these stations hosted by expert docents.

Paleo Footprints:



How big were they?! Fossil footprints, made in soft clay, were baked by the sun to form a trace fossil, and record the active movements and behaviors of ancient organisms. Some are filled in by sediment, some are left on the exposed surface, some are as deep as bathtubs! Compare your foot size to the dinosaur's foot, learn some fun facts and get an insider's view of just how big - or small - dinosaurs really were!

Morse Code:



The original SMS texting system! Many of the abbreviations used in text messages come directly from International Morse code, which is considered the first binary code. Learn how to write the code, guess the code, listen for the code, and create your own code on the machine!

Microscope Lab:



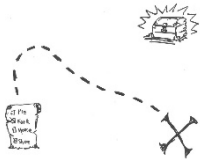
Our Microscope Lab features both self-serve and teaching components, and is used to study sand samples from around the world. Explore one of the samples we have on site with our experts or bring your own “discovery” from home. You’ll gain a whole new appreciation for the microscopic wonders of the world around you!

Sand Sieving



Are sand grains all the same size? And why should you care? Find out in this hands-on sieving activity and shake, shake, shake your way to an answer!

Scavenger Hunt in Collection of History, Mystery & Wonder:



Explore eight themed galleries, where curiosity is your only guide, to find the answers to this Scavenger Hunt! Move at your own pace, as you open ninety drawers to uncover rare treasures and get hands-on with what’s on the shelves.

Digital Dome Theater:



In the Digital Dome Theater, visitors can explore fun and educational themes every half hour. Embark on space missions to black holes, explore the distant worlds of our solar system, pilot a nano-scale submarine inside the human body or dive into an R.O.V. deep inside the ocean! Bright and clear images completely fill the entire dome screen space and surround sound adds to the total theater experience.

- **Augmented Reality (AR):**



Augmented Reality can deliver an experience like never before, fulfilling our ultimate dream of seeing dinosaurs walk among us. Travel back in time to the Age of Dinosaurs and soar with a pterosaur, hunt with T. rex and run with the raptors!

