

**Life Science**

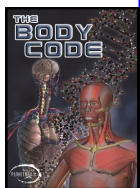
**Program 29: Are We Really Alone? NEW**

In the past, UFO programs have been more science fiction and less hard science. Now with better telescopes, brighter computers, and advances in theoretical physics, we can tackle the most profound questions in astronomy and perhaps in all of human history: Are UFOs real? and Are we really alone?

Best for grades 5-12 with an astronomy and biology focus.

**Program 30: The Body Code**

Fly through the carotid artery; explore the eye, brain, ear and heart. Shrink into a cell to see its nucleus and the DNA within. Discover how DNA programs the body's cells to form the circulatory and nervous systems. Then watch from inside as we use lasers to fight disease at the cellular level. Best for grades 5-12 with a biology focus. Also in Spanish



**Social Studies**

**Program 31: Stars of the Pharaohs**


Travel to ancient Egypt 6,000 years ago to see how astronomers made the first solar calendar, aligned their temples and pyramids, and told time by the stars. You'll discover the connection ancient Egyptians felt with the heavens and explore the most spectacular temples and tombs of the ancient world. Best for grades 4-12.

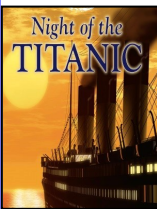


**Program 32: Fate of the Maya**

Explore ancient Uxmal, Chichen Itza, Tikal, and Palenque, experiencing the elegance and power of these great Maya cities. Watch astronomers observing the heavens to predict the future. Then visit lagoons and sink holes to discover what destroyed this advanced civilization, a fate that still threatens great urban centers around the world.

Best for grades 4 -12. Also in Spanish





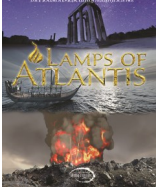
**Program 33: Night of the Titanic**

A great tragedy unfolds in the icy North Atlantic. Weather, ice, the sun, and human error all contributed to the sinking of this "unsinkable" ship. Experience the RMS Titanic's last day and discover the science that could have saved the ship. Find out how changing Arctic conditions could affect us today. Best for grades 5-12. Also in Spanish

**Program 34: Lamps of Atlantis**

Our search for the lost continent of Atlantis takes us to the astronomy, history, and geology of ancient Greece. Was Atlantis a real place? Did it really sink into the sea? We will uncover clues to solve this age-old mystery.

Best for grades 5-12








**Additional Available Shows for grade 5 - 12**

Program 45: *The Amazing Astronomers of Antiquity*, Program 46: *The X-Planets*, Program 47: *Robot Explorers*, Program 48: *Secrets of the Dead Sea*, Program 49: *Space Elevator*, and Program 50: *Lucy's Cradle*

**Totality over Texas!**

Program 35

TOTALITY! is a once in a lifetime astronomical event happening over Texas in 2024! Total solar eclipses are rare and beautiful phenomena. Learn how eclipses happen, how to safely view one, and where to be to see totality. Best for All Ages! Also in Spanish



**Mini-Shows for Family Nights and Fairs**

These 10 minute shows provide a great introduction to science.

Program 36: Earth Adventure

Ride a raging river, experience an erupting volcano, survive a hurricane and a tornado.

Program 37: Space Adventure

Visit the International Space Station, experience the Apollo 11 moon landing, and watch the Space Shuttle lift off before your eyes.

Program 38: Dinosaur Adventure



Watch as giant *sauropods*, a feathered raptor, a carnivorous *coelophysoids*, a charging *T-Rex*, and a *triceratops* fill the dome overhead.


Program 39: Planet Adventure

Travel to the future and visit the low gravity worlds in our solar system. Zip line on Mercury, cliff dive off Europa, climb an asteroid, and more.

Program 40: Universe Adventure: Into a Black Hole

Fall into a black hole, experience a supernova explosion, journey back to the Big Bang, and watch stars being born and dying.





**Shows for the Holidays for all ages**

**Program 41: Mystery of the Christmas Star**

Who were the Wise Men? Travel to the Hills of Judea over 2,000 years ago to consider what the Star of Bethlehem might have been— perhaps a planet, meteor, or comet.

**Program 42: Let It Snow!**

Enjoy this festive light show for the holidays, featuring a variety of classics from Frank Sinatra and Chuck Berry to Burl Ives and Brenda Lee, including a stunning finale by the Trans-Siberian Orchestra.

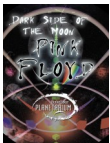

**Just for Entertainment**

**Program 43: Dark Side of the Moon**

Pink Floyd's legendary album is transformed into an immersive full-dome rock concert filled with lights and action! The concert is 40 min long. Best for grades 9 – Adult

**Program 44: Cosmic Vibes**

This rock music adventure features Black Eyes Peas, Dua Lipa, Portugal, Phantogram, and Ellie Goulding in a collage of full-dome rock imagery with an astronomy theme. Best for grades 6 - Adult




A portable full-dome theater surrounds students with roaring dinosaurs, soaring spaceships, raging rivers, and monster storms – all immersive, engaging, and realistic. Teachers can choose any of these 50 shows (including those in Spanish and many more languages) with a different show for each performance. Correlations with the Texas Essential Knowledge and Skills (TEKS) can be downloaded at <https://www.hmns.org/education/outreach-programs/discovery-dome/>

**Your students can explore the Universe!**

We have 50 different Discovery Dome experiences for all ages and many subjects, including shows for **Younger Audiences** (1-7), **Space Flight** (8-11), **the Solar System** (12-14), **Earth Science** (17-21), **Deep Space** (22-28), **Life Science** (29,30), **Social Studies** (31-34), as well as shows for the **Holidays** (41,42) and **Rock Shows** (43,44). We also offer **Live Shows** (15, 16) and **Mini-Shows** (36-40) for family nights and fairs. Our special show for 2023-24 is **Totality Over Texas** in time for the solar eclipse of April 2024.



***It's time to experience the Universe!***

**Price List and Travel**

**Please specify shows when booking the Discovery Dome.**

**Length:** 30 minutes per session.

**Capacity:** 40 or more students plus a teacher.

**Prices:** \$425 - 3 hours (Up to 5 sessions).  
\$525 - 5 hours (Up to 9 sessions).  
\$625 - 7 hours (up to 13 sessions).  
\*prices may change without notice

**Travel:** Fees apply to destinations more than 20 miles from the Museum's Hermann Park location. Call or email for information for your location.

**Requirements:** Dome must be used indoors, on a clean floor that is at least 20 feet long by 20 feet wide, with a 12 foot ceiling, and have an accessible grounded electrical outlet nearby.

Smaller domes requiring only a 10-foot ceiling are available upon request.

A presenter will travel to your location to set up and operate the Discovery Dome.

**Please allow 1 HR for setup and 30 minutes for breakdown.**

**Email:** [reservations@hmns.org](mailto:reservations@hmns.org) **Phone:** 713-639-4659  
**Please call for information on other Outreach Programs**

Version 2024.1 .EJ

*the Houston Museum of natural science*

**Discovery Dome**

**50 Ways to leave your planet!**



**Where your students become astronauts!**



## For Younger Audiences

### Program 1: The Cardboard Rocket

Two children turn a cardboard box into a rocket and blast off on an awesome adventure with a close-up tour of each planet, including landings on Venus and Mars, a trip into the stormy clouds of Jupiter and through the beautiful rings of Saturn. [Best for grades 1-3.](#)



### Program 2: One World, One Sky: Big Bird's Adventure

Big Bird and his friends Elmo and Hu Hu Zhu from China explore the stars over Sesame Street, visit the moon, and discover that the children of China and the US share the same sky. A great introduction for youngsters to the Moon and stars.

[Best for grades pre-K-1. Also in Spanish](#)

### Program 3: Larry Cat in Space

This is a playful, imaginative cartoon presentation about an inquisitive cat who takes a trip to the Moon. Through Larry's eyes, we experience weightlessness and view the Earth from orbit. Then we join Larry exploring the Moon's surface and discovering what it's like to weigh only 2 pounds. [Best for grades pre-K-1.](#)

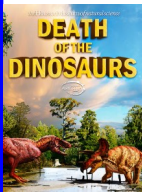


### Program 4: Zula Patrol: Under the Weather

From the planet Zula, comes the Zula Patrol. When their weather-collecting pet, Gorga, runs away, the Zula Patrol chases him all the way to our solar system. Here they learn about the weather on Earth and other planets while trying to save Gorga from the villainous Dark Truder. [Best for grades 1-5. Also in Spanish](#)

### Program 5: Earth's Wild Ride

It's 2081, and a grandfather shares his stories of Earth with his grandchildren who were born on the Moon. Fly through their lunar colony, soar over the lava flow of an erupting volcano, ride a raging river through a canyon, and visit the dinosaurs as an asteroid hits. This movie introduces 15 elementary science TEKS! [Best for grades 2-5. Also in Spanish](#)



### Program 6: Death of the Dinosaurs

What killed the dinosaurs? See how these giants lived and survived on the Earth millions of years ago. Watch the cataclysmic event that lead to their extinction. Featuring animations and on-site locations of dinosaur fossils, you'll feel like you are right there with them. [Best for grades 2-5](#)

### Program 7: Accidental Astronauts

Explore the Earth, Sun and Moon system with a wise-cracking spaceship computer. See an asteroid crash into the Moon. Bounce along the lunar surface. Experience a solar storm. And gain a new appreciation of our home planet.

[Best for grades 2-5](#)



## Space Flight

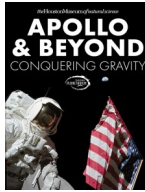
### Program 8: Forward to the Moon

Guided by Mythbusters' Karl Byron, we journey to the Moon's South Pole in the new Orion spaceship as part of the Artemis program to build a permanent off-world presence on the Moon. Students today can become Artemis astronauts. [Best for all ages.](#)



### Program 9: Apollo & Beyond: Conquering Gravity

The 24 Apollo astronauts who reached lunar orbit are the only humans to escape the bonds of Earth's gravitational pull. We share their exhilarating adventure on the Moon and create a realistic future lunar colony. Then we explore the other worlds in our solar system, imagining how we might live and have fun there. [Best for grades 4-12. Also in Spanish](#)



### Program 10: We Choose Space!

Over Sixty years ago, President Kennedy chose the Moon. Today our students can also choose a trip or even a career in space. This show is filled with real adventures on the completed International Space Station and the Moon. Human spaceflight after the Space Shuttle is very exciting, engaging, and real. [Best for all grades. Also in Spanish](#)



### Program 11: Dawn of the Space Age

This animated full-dome experience recreates great moments in human spaceflight from Sputnik to Apollo on the Moon, to the International Space Station, and on to Mars. You are there, sharing each step of our journey into space, a part of every adventure. [Best for all ages.](#)



## Solar System

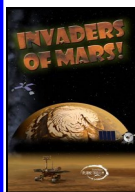
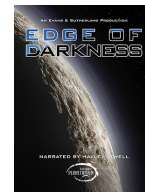
### Program 12: The Great Planet Adventures

Zip line on Mercury, snowmobile on Pluto, bungee jump from an asteroid, dive from the tallest cliff or rappel into the deepest canyon in the solar system. Ten thrills and ten destinations visiting all of the planets and more! [Special narration for K-2 students. Best for all ages. Also in Spanish](#)



### Program 13: Edge of Darkness

Amazing views of places never before seen await as you fly through the great cliffs on Comet 67P, examine the bright "lights" on the asteroid Ceres, unlock secrets hidden in meteorites, and marvel at the first ever close ups of the dwarf binary planet Pluto/Charon. [Best for all ages.](#)



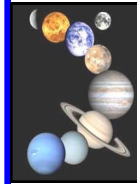
### Program 14: Invaders of Mars

We are invaders, and Mars is our target! Watch as each Mars mission reveals more about the Red Planet, from its deep canyons and giant volcanoes to places where we might find evidence of life, including discoveries by the polar Mars Phoenix Lander and an introduction to the Curiosity Rover. [Best for grades 3-12.](#)

## Live Shows

### Program 15: Starry Night Express

Enjoy this LIVE show for stargazers of all ages. Practice finding constellations, planets, the Moon, meteor showers, and the Milky Way band – everything you might see on the next starry night under the darkest skies on Earth. A guided tour led by your personal astronomer. [Best for all ages. Also in Spanish](#)



### Program 16: The STAAR Connection

This LIVE program uses the Sun, Moon, planets, rockets, volcanoes, rivers, hurricanes, tornadoes, stars, and galaxies to introduce as many STAAR objectives as possible in a 22 minute program (15 fifth grade science objectives or 11 eighth grade science objectives). The presenter encourages students to interact and ask questions. [Best for grades 3-8.](#)

## Earth Science

### Program 17: Dynamic Earth

*Dynamic Earth* explores the inner workings of Earth's climate system. This cutting-edge production follows a trail of energy from the Sun into our atmosphere, oceans, and biosphere. Audiences ride along on swirling ocean and wind currents, dive into a monster hurricane, and come face-to-face with sharks and gigantic whales. Narrated by Liam Neeson. [Best for all ages. Also in Spanish](#)



### Program 18: Ice Worlds

Explore the ice worlds of our Solar System. Discover how Earth's poles are changing. With icebergs, whales, penguins, and polar bears, this is an entertaining and informative introduction to the latest information on our planet's changing climate.

[Best for grades 5 -12. Also in Spanish](#)

### Program 19: Force 5

Feel nature's fury! Experience the Great Galveston Hurricane of 1900 and Hurricane Ike in 2008. Survive a devastating tornado and a solar storm more powerful than a nuclear blast! This realistic adventure puts your students in the middle of the action when nature goes Force 5. [Best for grades 3 -12. Also in Spanish](#)



### Program 20: Experience the Aurora

For many years, crews have captured full-dome images of the Aurora Borealis with high-resolution cameras. The results are spectacular. Experience auroras covering the entire sky. Discover the solar science behind the aurora and the challenges of photographing these shimmering curtains of light. [Best for grades 3-12.](#)

### Program 21: IMPACT! Encounters with Comets, Meteors, and Asteroids

Millions of asteroids and comets lurk among the planets and some pose a threat to Earth. See a large meteorite fall, watch an asteroid explode, see what happens with a comet hits Jupiter, and find out how such an impact would change the Earth. Narrated by astronaut Tom Jones. [Best for grades 3-12. Also in Spanish](#)



## Deep Space

### Program 22: Cosmic Collisions NEW

Creative and also destructive, dynamic and dazzling, collisions have resulted in the Moon, the Sun's warmth and light, our changing seasons, and waves washing up a sandy shore. Collisions ended the Age of Dinosaurs and transformed galaxies, giving birth to new stars and new worlds. [Best for all ages.](#)



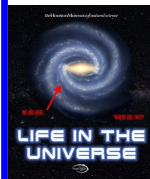
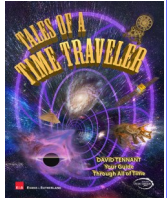
### Program 23: Unseen Universe NEW

Huge instruments in space have become our new eyes on the cosmos, tuned to all the wavelengths of light. Airborne telescopes and observatories on high mountain peaks also watch the universe through Earth's clearest skies. Detectors deep underground see the most elusive particles. In *Unseen Universe*, we experience a cosmic drama playing in the heavens above, with scenes and characters never seen before. [Best for Grades 4 - 12](#)



### Program 24: Tales of a Time Traveler

Time travel surrounds you – from the biological clock in your brain, to the history of life on Earth, to the lives of stars, the time scale of the Big Bang, and the distortion of time by gravity. David Tennant, the 10<sup>th</sup> Doctor in the Dr. Who series, is your guide through all of time. [Best for grades 4-12.](#)

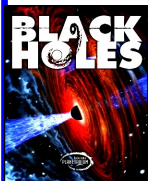
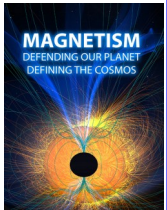


### Program 25: Life in the Universe

Join us in the search for life in the universe – exploring all the planets in our solar system. The show includes the birth and death of stars, formation of distant galaxies and the Big Bang. Everything in the visible universe in just 20 minutes! [Best for grades 4-12. Also in Spanish](#)

### Program 26: Magnetism!

The force that holds magnets on a refrigerator controls massive explosions rising from the sun, protects life on Earth, creates spectacular auroras, and even guides fish in the open ocean. Magnetism is invisible and everywhere. [Best for grades 6-12. Also in Spanish](#)



### Program 27: Black Holes

Black holes are among the most mystifying, awe-inspiring phenomena in the Universe. What is a black hole? Where do they come from? How do we find them? Is there one in Earth's neighborhood? Explore the latest scientific knowledge about black holes in a show that is visually immersive and very exciting. [Best for grades 5-12.](#)

### Program 28: Secret Lives of Stars

Some stars are massive while others are tiny, almost insignificant. The specific characteristics of a star will determine what type of life it will lead, how long it might live, and even its death. Visit the amazing variety of stars and peer into their secret lives. [Best for grades 4-12.](#)

