Planetarium Programs

Aztec Astronomy - Like many civilizations throughout ancient Mesoamerica (present-day Central and South America), the Aztecs assigned a special meaning to the stars and celestial bodies they observed in the night sky. The alignment of the moon, sun, planets, and constellations greatly influenced the cultural traditions and practicalities of everyday life for the Aztec people. As the civilization developed over 150 years, so did the advancements of Aztec astronomy.

Approximate Length 30 minutes

Back to the Moon for Good - In the first era of space exploration in the late 1960s and early 1970s, we see what that era of landers and orbiters taught us about our nearest neighbor including the discovery of the Moon's origin, composition, structure and the accessibility of raw materials on its surface.

Approximate Time 25 Minutes

Chasing the Ghost Particle - Deep in the ice at the heart of Antarctica, IceCube, the biggest and strangest detector in the world awaits for mysterious messengers from the cosmos. Scientists are using tiny and elusive particles called neutrinos to explore the most extreme places in the universe. These ghostly neutrinos give us an exclusive way to study powerful cosmic engines like exploding stars and black holes.

Approximate Length 30 Minutes

Climate Change in Our Backyard - "Climate Change in Our Backyard" is an immersive full dome planetarium show examining the local impacts of global warming, focusing on atmospheric CO2, natural climate cycles, and human-driven changes

Approximate Time 20 Minutes

Cosmic Colors - Cosmic Colors will take you on a wondrous journey across the entire electromagnetic spectrum. Discover the many reasons for color: like why the sky is blue and why Mars is red. Take a tour within a plant leaf and journey inside the human eye. Investigate x-rays by voyaging to a monstrous black hole and then back at your doctor's office. You will even see the actual color of a dinosaur – based on recent evidence. Get ready for an amazing adventure under a rainbow of cosmic light.

Approximate Length 32 Minutes

Cosmology – The study of our universe is as old as time, yet our understanding of the origins and nature of the universe is less than 100 years old. This fulldome planetarium program, written and produced by high school and college students is an overview of the science of cosmology. From our earliest theories about the size of the universe to the big bang theory, this show details how our understanding has evolved over time

Approximate Length 28 Minutes

Dark Matter - The biggest quest of contemporary astrophysics. You will see why we know that Dark Matter exists, and how this search is one of the most challenging and exciting searches

science has to offer. Join the scientists on their hunt for Dark Matter with experiments in space and deep underground. Will they be able to solve the Dark Matter Mystery?

Approximate Length 20 Minutes

Distant Worlds - This program explores one of the most enduring questions of humankind – are we alone? For millennia our ancestors watched the stars, questioning the origin and nature of what they saw. Still today we ask these questions, knowing that the Universe is a vast place fill with billions and billions of stars and planets – but yet, Earth is the only planet we know for sure to be inhabited.

Approximate Length 52 Minutes

Eclipses and Phases of the Moon - This full dome programs visually explains lunar phases (like crescent, quarter, full) and eclipses (solar and lunar) using 360° visuals, computer graphics, and real astrophotography, often tied to educational standards like NGSS to demonstrate the Earth-Moon system's dynamics. These shows use models (sun, Earth, Moon) in the dome to illustrate how sunlight reflects and how the Moon's orbit causes these phenomena, offering experiences of totality and other celestial events for audiences of all ages.

Approximate Length 20 Minutes

Europe to the Stars - Europe to the Stars takes the viewer on an epic journey behind the scenes at the most productive ground-based observatory in the world, revealing the science, the history, the technology, and the people. Discover the European Southern Observatory in a story of cosmic curiosity, courage and perseverance; a story of observing a Universe of deep mysteries and hidden secrets; and a story of designing, building and operating the most powerful ground-based telescopes on the planet.

Approximate Length 30 Minutes

Exoplanets Casper- This exciting show describes how astronomers search for planets circling other stars. It explains the two main methods they use: studying minute "wobbles" of stars and detecting flickers in a star's brightness. Only a few Earth-like planets have been found, and as of yet, no extraterrestrial life has been found on any of the worlds discovered so far. Yet it's likely to be only a matter of time before a world teeming with life shows up in astronomy surveys of stars in our galactic neighborhood.

Approximate Length 29 Minutes

Flight Adventures- "Flight Adventures" dreams of flying, model aircraft and a young girl and her grandfather come together in this multi-media planetarium show about the science of aeronautics. Learn about famous inventors and aviators of the past and the pioneers who first revealed the 4 forces of flight. See images of where flight might take us.

Approximate Length 20 Minutes

Four Paths of the Sun - This short program illustrates why Earth has seasons, how the Sun's altitude in the sky changes over the course of a year, and how the angle of the Sun causes changes in weather. Recommended for grades 4 – 8

Approximate Length 15 Minutes

From Earth to the Universe - This stunning, 30-minute voyage through space and time conveys, through sparkling sights and sounds, the Universe revealed to us by science. Viewers can revel in the splendor of the worlds in the Solar System and our scorching Sun. From Earth to the Universe takes the audience out to the colorful birthplaces and burial grounds of stars, and still further out beyond the Milky Way to the unimaginable immensity of a myriad galaxies. Along the way, the audience will learn about the history of astronomy, the invention of the telescope, and today's giant telescopes that allow us to probe ever deeper into the Universe.

Approximate Length 32 Minutes

Hot and Energetic Universe – The Hot and Energetic Universe presents with the use of immersive visualizations and real images, the achievements of the modern astronomy, the most advanced terrestrial and orbital observatories, the basic principles electromagnetic radiation and the natural phenomena related to the High Energy Astrophysics. High Energy Astrophysics plays a key role in understanding the universe.

Approximate Length 30 minutes

Galaxies - Once we thought that Earth was the center of the universe. Shapely and Hubble changed that perspective by showing that we are part of a vast expanse of galaxies. This program reviews some of their key discoveries and explores some of the most common types of galaxies. Recommended for ages 12 and up.

Approximate Length 15 minutes

IBEX: Search for the Edge of the Solar System - Join scientists who are investigating the boundary between our Solar System and the rest of our Galaxy in IBEX: SEARCH FOR THE EDGE OF THE SOLAR SYSTEM. Designed for visitors with an appreciation for the challenges of space science and a desire to learn more about science research, the show follows the creation of NASA's Interstellar Boundary Explorer (IBEX). Get an in-depth look at the mission and how IBEX is collecting high-speed atoms to create a map of our Solar System's boundary.

Approximate Length 28 Minutes

Journey to the Middle of the Universe - Embark on a Journey to the Centre of the Milky Way and during seven minutes travel faster than light, from the driest place on Earth, the Atacama Desert in Chile right to the center of our own galaxy, where a black hole is consuming anything that strays into its path. 84 million stars will appear in front of your eyes, each hiding mysteries waiting to be solved. Are there planets around them, perhaps with moons? Do they have water? Could they harbor life?

Approximately Length 7 Minutes

Losing the Dark - Losing the Dark" introduces and illustrates some of the issues regarding light pollution and suggests three simple actions people can take to help mitigate it.

Approximate Length 6 Minutes

Max Goes to the Moon - is a 30-minute educational full dome planetarium show designed for children and families, based on the book by astrophysicist Jeffrey Bennett. Produced by Fiske Planetarium, it follows a dog named Max and his friend Tori as they travel to the Moon, inspiring a global effort to build a moon colony.

Approximate Time 30 Minutes

Mayan Astronomy – (Spanish Only) In a feast of colors and sounds, Mayan Archeoastronomy: Observers of the Universe makes a tour of 6 Mayan temples: San Gervasio, Chichen Itzá, Uxmal, Edzná, Palenque and Bonampak where the spectator dives into a Mayan world of knowledge about the importance of the orientations of its temples in relation to the movement of some stars like the Sun, the Moon and Venus.

Approximate Length 20 Minutes

Moon - How was the moon made? What happened in the solar system that made it possible for our only natural satellite to exist?

Approximate Length 7 Minutes

NASA Journey to Mars - Mars is a rich destination for scientific discovery and robotic and human exploration as we expand our presence into the solar system. Its formation and evolution are comparable to Earth, helping us learn more about our own planet's history and future. Mars had conditions suitable for life in its past. Future exploration could uncover evidence of life, answering one of the fundamental mysteries of the cosmos: Does life exist beyond Earth?

Approximate Length 10 Minutes

Out There - For thousands of years, mankind thought that the Earth was the center of the Universe. Thanks to our curiosity, imagination and urge to explore, we now know that planets like our Earth are nothing special in the cosmos. The Sun is just one ordinary star among hundreds of billions in our galaxy, the Milky Way. With the world's most powerful telescopes, we are able to explore more and more of the Universe. What we have found so far has surpassed even the wildest expectations of scientists as well as authors of science fiction. Most stars have planets — it turns out they are more common than we thought.
A huge diversity of different worlds is out there, just waiting to be discovered.

Approximate Length 30 Minutes

Phantoms of the Universe - From the journey of protons racing through the world's largest particle collider in Europe to up-close views of the Big Bang and emergent cosmos, Phantoms of the Universe is a full dome planetarium show designed to immerse audiences in the search for dark matter.

Approximate Length 27 Minutes

Rusty Rocket - Our favorite Rocket instructor blasts off soon! Join Rusty Rocket and his band of rocket rookies as the explore the solar system. This voyage conveys the audience on a visually astonishing odyssey through the solar system! Fly across Saturn's rings, soar along a Martian canyon; lift off from the Moon; delve deep into the solar interior!

Approximate Length 40 Minutes

Seeing 2- SEEING, narrated by Neil deGrasse Tyson, is a full-immersion planetarium film that tells the tale of a photon's journey from the core of a star and its journey across the galaxy to a young woman's eye. It explains the conversion of energy into an electro-chemical impulse which

travels the neuro pathways to the various vision centers of the brain to create the images that she sees.

Approximate length 26 minutes

Sentient - During the 2013 Spring semester at the Massachusetts College of Art and Design, students explored the topic of consciousness. In less than 5 months these students collaborated on all aspects of storytelling, concept development, sound design, and fulldome production to create an immersive experience which explores the creative, perceptive, and unexplored mind.

Approximate length 35 minutes

Solar Quest - "Solar Quest" is a full dome planetarium short feature that demonstrates how the Sun and Earth are interconnected and that we are "Living with a Star". High quality animations display solar phenomena such as fusion and light energy as well as solar surface features and events. Franulaes, solar fares and coronal mass ejections are highlighted. The show discusses the impacts of space weather and how the Earth's atmosphere and magnetic field protects all life on Earth.

Approximate Length 12 Minutes

Sunstruck Show - Travel back to the beginning of time and experience the birth of the sun. Discover how it came to support life, how it threatens life as we know it, and how its energy will one day fade away.

Topics in this presentation include the electromagnetic spectrum, fusion, magnetic fields, coronal mass ejects, surface features of the sun, and how Earth is able to retain an atmosphere. Stellar evolution is also discussed.

Approximate Length 21 Minutes

Super Massive Black Holes - through huge telescopes mounted on mountain tops scientists observe light coming from the Universe. Light from exploding super novas provide the universe with the light needed to observe the supermassive black holes, that would otherwise remain unseen.

Approximate Length 21 Minutes

The Christmas Star - What could be the Christmas Star that the Magi followed?
A Supernova? A nova? A planetary conjunction? A comet? A meteor shower?
Follow Leo and his robot to solve the ancient mystery about the Nativity!

Approximate Length 30 Minutes

The Sun - Discover the secrets of our star in the planetarium show and experience never before images of the Sun's violent surface in immersive full dome format.

Approximate Length 24 Minutes

Totality - Total solar eclipses are a rare and beautiful phenomena, and in this new planetarium show you will learn how eclipses happen, how to safely view one, and where these two eclipses take place. Texas is the nexus for the annular eclipse of 2023 and the total solar eclipse of 2024.

Approximate Length 24 & 10 Minutes

Two Small Pieces of Glass - 400 years ago, a simple adjustment to a child's spyglass revealed for the first time an infinite and perplexing universe to your eyes and imaginations. While attending a local star party, two teenage students learn how the telescope has helped us understand our place in space and how telescopes continue to expand our understanding of the Universe. Their conversation with a local female astronomer enlightens them on the history of the telescope and the discoveries these wonderful tools have made. The students see how telescopes work and how the largest observatories in the world use these instruments to explore the mysteries of the universe. While looking through the astronomer's telescope, the students, along with the planetarium audience, explore the Galilean Moons, Saturn's rings, and spiral structure of galaxies. During their conversation with the astronomer, they also learn about the discoveries of Galileo, Huygens, Newton, Hubble and many others.

Approximate Length 22 Minutes

Unveiling the Invisible Universe - For thousands of years humans observed the light coming from the night sky with their eyes. In the beginning of the 17th century, the invention of the telescope by Galileo revolutionized our knowledge of the Universe. Finally, in the 20th century with the advent of rockets, it became possible to go above the earth's atmosphere and observe X-ray and gamma ray radiation which are the marks of the hot and violent Universe. But it is not only light that can give us information about the cosmos. Neutrinos and cosmic rays also provide vital information. Finally, the detection by the LIGO experiment of gravitational waves from two merging black holes opened a new window in astrophysics.

Approximate Length 28 Minutes

Waiting Far Away - Through the creative process of producing planetarium shows, we often come across imagery that is stunning but doesn't work in the context of a science show. Our collection of full dome astronomy art animations has matured into a hybrid form of storytelling where we mix imagination with real data.

Approximate Length 11 Minutes