



Your visit to the planetarium includes a full dome program along with a 5-10 minute, age-appropriate tour of the current night sky. Our show time is 1:45-2:30pm, and shows are available January through May. We have 55 seats, which do include several that are wheelchair-accessible. The cost for a program is \$75, which is due the day of your show. Checks may be made payable to St. Joseph Public Schools.

Sesame Street: One World, One Sky

Audience: Pre-K, K, & 1st grades

Length: 27 mins

Trailer: <https://goo.gl/4JG5EK>

Join Big Bird and Elmo on an unforgettable journey to the Moon and back! When Elmo's friend Hu Hu Zhu stops by Sesame Street for a visit, he notices that Sesame Street is a little bit different from his home in China. But when he looks up at the sky, he feels right at home. Elmo and Hu Hu Zhu may live in different cities, but they share the same sky! With a little help from Big Bird, the two friends learn about the Sun, the Moon, and the Big Dipper, then blast off in an imaginary rocket to the Moon! Along the way, they invite the audience to sing along to songs about space and celebrate the sky that belongs to everyone.

Zula Patrol, Under the Weather

Audience: K, 1st & 2nd grades

Length: 23 mins

Trailer: <https://goo.gl/WfTYjb>

The stalwart heroes of the Zula Patrol are on an expedition collecting samples of weather for scientist Multo's research-- using their loyal pet Gorga's ability to collect and bottle all kinds of weather. But when the Zula gang inadvertently hurts Gorga's feelings, he decides to leave Zula and find another planet to live on. Interplanetary villain Dark Truder then tricks Gorga into stealing the weather from other planets-- part of his latest nefarious scheme to rule the Universe. The Zula Patrol finds out and goes after him-- in the process learning all about weather, both terrestrial and interplanetary.

Legends of the Night Sky: Orion

Audience: 1st, 2nd, 3rd, 4th & 5th grades

Length: 24 mins

Trailer: <https://goo.gl/oCd2r3>

Orion takes a lighthearted and imaginative look at the myths and stories associated with the constellation Orion, the great hunter of the winter sky. Accompanied by narrators Aesop the owl and Socrates the mouse, we follow Orion's adventures as he grows to manhood, battles mythical beasts, foils the plot of an evil king and wins the heart of Artemis, the beautiful moon-goddess. By the end of the story, we learn how the constellation Orion was placed in the sky, forever turning overhead throughout the seasons.

The Little Star That Could

Audience: 1st, 2nd, 3rd, 4th & 5th grades

Length: 36 mins

Trailer: <https://goo.gl/r4TCFG>

This is the story of Little Star, an average yellow star searching for planets of his own to warm and protect. Along the way he meets other types of stars, learns what makes each star special, and discovers that stars combine to form clusters and galaxies. Eventually, Little Star finds his planets, and each planet is introduced with basic information about our Solar System.

Dark Star Adventures

Audience: 3rd, 4th & 5th grades

Length: 29 mins

Trailer: <https://goo.gl/UTAMCP>

After spending three years at her father's astronomy research station, Subrah, a teenager bored by science, is excited about leaving – and not a moment too soon. The planet's sun is about to explode. When a technical glitch launches Subrah's father into space without her, she has to make her own getaway and return safely home again. Join Subrah, and her robot helper Sweeps, on an unforgettable voyage of discovery as they unravel a cosmic riddle that points the way to planet Bekenal. You'll witness the awesome power of a supernova, explore the heart of a gaseous nebula, visit exotic pulsars and learn to keep a safe distance from a black hole!

Flight Adventures

Audience: 2nd grade and up

Length: 20 mins

Trailer: <https://goo.gl/7rm3mc>

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 aircraft past, present and future and imagine where flight might take us.

Cowboy Astronomer

Audience: 3rd grade and up

Length: 37 mins

Trailer: <https://goo.gl/eysWke>

Explore the stars from a cowboy's point of view! The Cowboy Astronomer is a skillfully woven tapestry of star tales and Native American legends, combined with constellation identification, star-hopping, and astronomy tidbits — all told from the unique viewpoint of a cowboy astronomer who has traveled the world plying his trade and learning the sky along the way.

Seeing

Audience: 5th grade and up

Length: 27 mins

Trailer: <https://goo.gl/MxQRDN>

Ride a photon across the galaxy to your mind's eye and experience how we see. "SEEING!" follows a photon's creation and journey across the galaxy to a young stargazer's eye. The viewer follows the photon into the girl's eye, learning the structures of the eye and their functions, prior to taking a ride on the optic nerve. Imagery from all over the world including humanity, landscapes, skyscapes, wildlife and of space will be the backdrop for photo-realistic animations, which will be used to create a story of a photons' journey through the eye and its conversion to an electro-chemical impulse that then travels the neuro pathways of the brain to the various centers that create the image the brain sees.

Origins of Life

Audience: 6th grade and up

Length: 23 mins

Trailer: <https://goo.gl/cKWiz3>

"Origins of Life" is about the fundamental questions of biology – origin of life, and the search for extraterrestrial life. The show informs about the chemical principles of the universe, the origin of which is hidden in the Big Bang, and illustrates the development of stars and planetary systems. It looks into the beginnings of life on Earth, touches upon the extinction of dinosaurs, and deals with the search for life forms on other planets. This is a fantastic journey through time and pays respect of the living beings inhabiting the Earth. Presenting many discoveries made in the recent past, the show promotes our awareness of the exciting goings-on in present-day scientific research.

Two Small Pieces of Glass

Audience: 6th grade and up

Length: 23 mins

Trailer: <https://goo.gl/RQggHm>

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.

Dawn of the Space Age

Audience: 6th grade and up

Length: 41 mins

Trailer: <https://goo.gl/P16daN>

Relive the excitement of space exploration's early days, from the launch of the first artificial satellite Sputnik to the magnificent lunar landings and privately operated space flights. Be immersed and overwhelmed with this most accurate historic reconstruction of man's first steps in space.

Black Holes: The Other Side of Infinity

Audience: 6th grade and up

Length: 23 mins

Trailer: <https://goo.gl/F988Wj>

Narrated by Academy Award nominated actor Liam Neeson, this cutting-edge production features high-resolution visualizations of cosmic phenomena, using data generated by computer simulations, to bring the current science of black holes to the dome screen. Audiences will be dazzled with striking, immersive animations of the formation of the early universe, star birth and death, the collision of giant galaxies, and a simulated flight to a massive black hole lurking at the center of our own Milky Way Galaxy.

Back to the Moon for Good

Audience: 6th grade and up

Length: 24 mins

Trailer: <https://goo.gl/32cUUA>

The show opens with 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. The Google Lunar XPRIZE is designed to democratize space and create new opportunities for eventual human and robotic presence on the Moon. We see the engineering and innovation steps taken by the internationally distributed teams competing to land a spacecraft on the Moon and vie for additional prizes. We highlight the human spirit of competition and collaboration as teams take on this audacious challenge. Who will win the \$30 million Google Lunar XPRIZE? The audience is taken through a successful launch, landing and lunar surface travel. The show ends with a stunning glimpse of a plausible scenario for our future on the Moon.

From Earth to the Universe

Audience: 6th grade and up

Length: 31 mins

Trailer: <https://goo.gl/KN31Jp>

This stunning, full-dome 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 nearby worlds in our Solar System. Then go 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 of galaxies. Along the way, you will learn about the history of astronomy, invention of the telescope, and today's giant telescopes that allow us to probe even deeper into the Universe.

IBEX: Search for the Edge of the Solar System

Audience: 6th grade and up

Length: 29 mins

Trailer: <https://goo.gl/ti8upK>

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. Narrated by two inquisitive teenagers, audiences will hear from the scientists and engineers that developed the IBEX mission and created the spacecraft, and get the latest updates on the mission's discoveries. Designed for visitors with an appreciation for the challenges of space science and a desire to learn more about science research, IBEX: Search for the Edge of the Solar System follows the creation of NASA's Interstellar Boundary Explorer (IBEX). Audiences will 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.

Sunstruck

Audience: 6th grade and up

Length: 21 mins

Trailer: <https://goo.gl/gaCByy>

Heliophysics is the main component of the Sunstruck! planetarium show. It includes information on the sun, parts/layers, space weather and its impact on Earth. We used several NASA heliophysics missions including SOHO, IRIS, and SDO.

Hot and Energetic Universe

Audience: 8th grade and up

Length: 30 mins

Trailer: <https://goo.gl/NCJQy6>

This show presents 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. These radiations reveal the processes in the hot and violent universe. Finally, high energy radiation provides important information about our own galaxy, neutron stars, supernova remnants and stars like our Sun which emit copious amounts of high energy radiation. Europe plays a leading role in high energy astrophysics research.