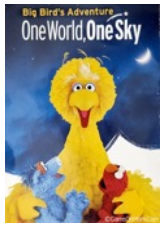
Challenger Learning Center of Northern Nevada
Digital Planetarium Dome Programs



One World, One Sky (preschool through 1st grade)

Follow Sesame Street's Big Bird and Elmo as they explore the night sky with Hu Hu Zhu, a Muppet from Zhima Jie, the Chinese co-production of Sesame Street. Together they take an imaginary trip from Sesame Street to the moon, where they discover how different it is from Earth. The show aims to nurture a child's natural sense of wonder about the night sky.

Molecularium (Kindergarten through 2nd grade)

Developed by scientists, educators and animators, this fun program takes young people on board a miniature spaceship to explore the amazing world of atoms, molecules and the "States of Matter" using songs and animated characters. Teachers can download activity guides, and students can play online games to continue their exploration.

Earth's Wild Ride (2nd grade through adults)

In this program developed at the Houston Museum of Natural Science and Rice University, explore earth and space science by taking a journey to a lunar colony, riding a river, encountering dinosaurs, and experiencing a volcano and asteroid impact up close! This popular program also covers eclipses, orbits and a variety of additional solar system science standards.

Great Planet Adventures (2nd grade through adults)

Learn about the planets in the form of a Solar System Adventure Tour! Imagine zip lining on scorched Mercury or snowmobiling on Pluto. Without gravity's strong pull, you can glide over the hydrocarbon lakes of Titan, jet-pack in a geyser's spray on Triton, or even drive a monster truck along a steep lunar crater wall. Enjoy the excitement while discovering real science facts!

Space Elevator ("It's About Time") (3rd grade through adults)

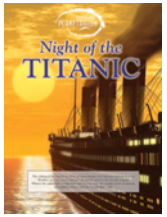
Take a journey from Mt. Kilimanjaro to an orbiting space station to study space cycles (day and night, rotation, revolution, orbits) as well as the life cycles of stars using the "Einstein Space Telescope." The journey uses a futuristic space elevator–a concept actually being developed by engineers today using carbon nano-tubes!

Flight Adventures (3rd grade through adults)

Dreams of flying, model aircraft, and a young girl and her grandfather come together in this show about the science of aeronautics. Learn about famous inventors and aviators and the pioneers who first revealed the four forces of flight. Explore aviation's past and discover where flight might take us next!

We Choose Space (4th grade through adults)

This is a planetarium show for audiences of all ages who dream of space and wonder about human spaceflight after the Shuttle. Astronauts Scott Parazinsky, Tom Jones, and Gene Cernan and veteran space reporter Walter Cronkite are your tour guides on this adventure to the completed International Space Station and to the past and future Moon.



Night of the Titanic (4th grade through adults)

Travel back and forth in time to explore science, geography and history–from the decks of *Titanic* to submersible explorations of the ruins at the bottom of the Atlantic. Travelers experience ocean currents, climate change, icebergs and solar radiation using satellite, communication and navigation technologies. Discover the science and stories of *Titanic*, past and present!

Microcosm (5th grade through adults)

With the cooperation of medical schools and nanotechnology centers, this program simulates a submersible ride through the human body. Along the way, study organs and individual cells up close–and discover new medical treatments to save our host patient from a mysterious viral infection before it's too late!

Saturn, Ring World (5th grade through adults)

Ride with the Cassini spacecraft to the Rings of Saturn! Then follow the Huygens robotic probe as it descends through the atmosphere of Saturn's largest moon, Titan. This NASA program includes the first images ever captured of the surface of this spectacular world, one of the last great unexplored regions of the solar system!

Two Small Pieces of Glass (5th grade through adults)

Celebrating the 400+ anniversary of Galileo's use of the telescope and the International Year of Astronomy, this program follows several students as they learn about telescopes from their teacher. A strong visual approach presents discoveries from Galileo and Newton up through Einstein, Hubble and beyond.

Back to the Moon For Good (5th grade through adults)

Revisit the Apollo-era landers and orbiters and see what they taught us about our nearest neighbor including the discovery of the Moon's origin and composition. The Google Lunar XPRIZE is introduced as a way to create new opportunities for robotic and human presence on the Moon. Take a look at the engineering and innovation used by teams around the world competing to return to the Moon. The show ends with a glimpse of a plausible scenario for our future on the Moon.

Dome space requirements: 12' high x 24' wide
Clean interior space + access to electrical outlet
Dome can fit one class of students (up to 30) + teachers
Cost: $350 per day or $300/day for 3 + days
(add'l $50 for travel outside Reno/Sparks or
$100 for locations 100+ miles outside Reno)