

## Planetarium Shows Available to School Groups

For groups of 25 or more students, teachers may request any one of the shows below to be shown at 9 am or 10 am on Tuesday through Friday. Smaller groups may request one of the regularly scheduled shows at 11 am, 1 pm, 2 pm, or 3 pm. (See “Experience” and “Planetarium”)

### ***Dawn of the Space Age (Grades 5 and up)***

Re-live the excitement of space exploration's early days, from the launch of Sputnik to the Apollo lunar landings, and on to current voyages. Witness the drive, passion, and death-defying adventures of astronauts and cosmonauts, and their perseverance to explore space. This program is the first 3D stereo planetarium presentation in the world.



### ***The Secret of the Cardboard Rocket (Pre-K to Grade 3)***

Special children's show in which two young adventurers turn a cardboard box into a rocket and blast off on an awesome adventure. They visit each planet in the solar system and find out what makes Earth a special place to live.

### ***Legends of the Night Sky: ORION (Grades 2 – 5)***

A fun-filled, imaginative look at stories and legends about Orion, the great hunter of the winter sky. Narrated by animated characters, audiences follow Orion's adventures as he grows to manhood, battles mythical beasts, foils evil plots and wins the heart of the beautiful moon-goddess. The program concludes with a live look at the current night sky, including how to find Orion from your own backyard! [Teacher Guide](#) available (go to “Teachers” and “Classroom Resources”).



### ***Skies Over Hawai'i (Grades K – 8)***

A live tour of the current night sky featuring stars, planets, and more! Your guide will share stories of constellations, look at the Moon's current phase, and reveal planets you can see from your own backyard. The program also highlights Hawaiian Star Lines that Polynesian voyagers used to navigate the oceans.

### ***One Ocean, One Sky (Grades 4 and up)***

Take a journey of discovery with Master Navigator Kalepa Baybayan. Learn about Hawaiian Star Lines and how they are used to navigate ocean voyaging canoes. Explore the legends of Makali'i and Subaru and the historical connections of voyaging in Hawai'i and Japan. Experience Hōkūle'a's 2007 voyage from Hawai'i to Japan.



### ***Maunakea: Between Earth and Sky (Grades 4 and up)***

Explore connections between Hawaiian culture and Maunakea astronomy. Become immersed in the story of Pele and Poli'ahu and the creation of the Hawaiian Islands. Gaze into the night sky, past planets, galaxies and swirling nebula—back to the beginning of the universe—and fly through an observatory atop Maunakea.

### **Sesame Street – One World, One Sky (Grades Preschool – 2)**

**Sesame Street - One World, One Sky** begins on *Sesame Street* when Elmo's friend, Hu Hu Zhu, visits from China. Together, Big Bird, Elmo and Hu Hu Zhu locate the Big Dipper, the North Star and the Moon in the night sky. Elmo and Hu Hu Zhu want to learn more about the Moon, so Big Bird suggests that they use their imagination to travel there. Once on the Moon, Elmo and Hu Hu Zhu quickly learn that the Moon has a very different environment than Earth. They discover there is no air on the Moon and learn that without air there can be no trees, animals, flowers or, to their disappointment, flying kites or playing soccer. Realizing this makes them homesick, so they use their imagination to take them back to *Sesame Street*. Back on Earth, Big Bird, Elmo and Hu Hu Zhu realize that even though they live in two different countries, they still share the same sky.



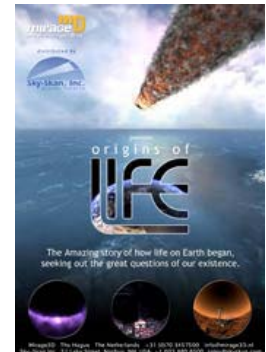
### **Tycho to the Moon – (Grades Pre - 3)**

Meet Tycho, a dog who doesn't just howl at the moon, but wants to go there. Blast off on an amazing ride into space with Tycho and his young friends Ruby and Michael. Learn about night and day, space travel, the phases of the Moon and features of the lunar surface. Take a close-up look at the Sun, watch the effects of gravity, see the Earth from space and watch meteors shoot across the night sky.



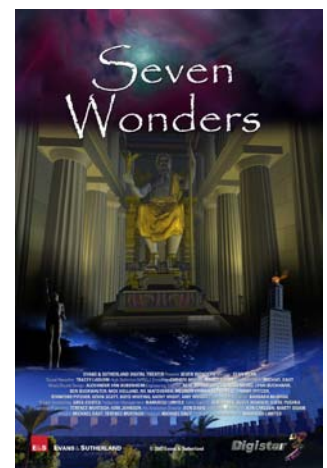
### **Origins of Life – (Grades 6 and up)**

**Origins of Life** deals with some of the most profound questions of life science: the origins of life and the human search for life beyond Earth. Starting with the Big Bang, in chronological order, the show deals with the prebiotic chemistry in the Universe, the formation of stars, formation of solar systems, and the first life on Earth. Furthermore Origins of Life covers the great extinctions as well as our search for (primitive) life beyond planet Earth. Origins of Life is an inspirational journey through time and a celebration of life on Earth.



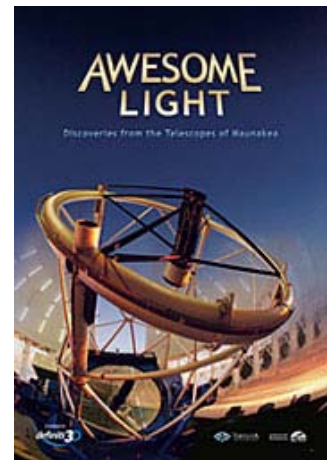
### **Seven Wonders – (Grades 4 and up)**

**Seven Wonders** explores the ancient wonders of the world as they have not been viewed for thousands of years. Using digital technology, we turn back Time to see them at the height of their majesty and glory. We will investigate the theories of how these wonders were created and compare them to some of the universe's greatest wonders such as supernovae, black holes, and nebulae. Seven Wonders is narrated by British actor Sean Bean, who played the character Boromir in the feature film trilogy *Lord of the Rings*. It includes a guided tour of the night sky featuring stars, planets, constellations, and more!



### ***Awesome Light I: Mirrors on the Mountain – (Grades 6 and up)***

Hawaiians care for Maunakea as an elder and a sacred place that connects them to their place of origins. Astronomers from around the world care for Maunakea as a place to search for knowledge – it is here that the world's most renowned observatories seek to understand the great questions of the universe. See how Subaru Observatory studies distant solar systems – stars and planets that may be similar to our own. Learn how Gemini watched the death of a star in a far-off galaxy to understand how the universe seeds elements that form the building blocks of all matter. Marvel at CFHT's Legacy Survey that has mapped many thousands of galaxies to figure out how structure in the universe was created. Explore a massive black hole at the center of our galaxy as viewed by W.M. Keck Observatory. The program is presented in 3D.



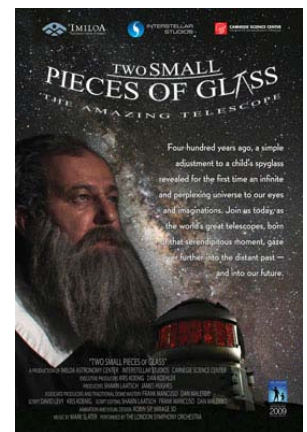
### ***Awesome Light II: Seeing the Invisible – (Grades 6 and up)***

How do we see the invisible? By looking using different kinds of eyes! Seeing the Invisible takes the audience to Maunakea and the radio and submillimeter observatories located there. In this episode we see the remnants of a comet collision with Jupiter using the SMA, fly into the heart of our Milky Way Galaxy and see gas flows there from JCMT, study star formation in the Whirlpool Galaxy from CSO, and explore the largest black hole and jet in the Universe with the VLBA. The program uses dramatic footage of each of these observatories and displays their science results in spectacular 3D.



### ***Two Small Pieces of Glass: 400 years of the Telescope – (Grades 6 and up)***

Explore 400 years of the telescope and its discoveries as seen by two students and their mentor as they attend a star party. Learn how Galileo, Newton and many others developed these instruments and how they have allowed humans to learn about the universe. Experience the view from the largest observatories in the world such as Maunakea, Cerra Telolo, and numerous other ones around the globe. This program celebrates the International year of Astronomy in 2009.



### ***IBEX: Search for the Edge – (Grades 7 and up)***

Join scientists who are investigating the boundary between our Solar System and the rest of our galaxy. This show follows the creation of NASA's Interstellar Boundary Explorer (IBEX). Students 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. 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.



### **3D Sun – (Grades 6 and up)**

From Earth, the Sun cannot be looked at with human eyes. **3D SUN** gives students a chance to see the Sun up close in startling 3D. Stand above the Arctic Circle and witness the most brilliant auroras on Earth; take a ride on a solar blast from Sun's surface to Earth's Magnetosphere, and come to a deeper understanding of what this vast sea of fire means to life here on Earth.



### **Fragile Planet - (Grades 5 and up)**

Travel 120 million light years to rediscover home! Earth, our only known haven for life, inhabits a special place in the cosmos. Sigourney Weaver guides us on an immersive excursion that will inspire a new perspective on our home world. After a close-up look at Earth, we visit planets and moons in our solar system in search of hide-outs for life, and then venture outward to exo-planets and beyond. This visually intense program uses the latest visualization techniques to weave together observed data, including high resolution satellite and spacecraft imagery, terrain maps, and pinpoint positioning of stars, exo-planets and galaxies.

