

PRIVATE EVENT EXTRAS

AT THE ADLER PLANETARIUM

The Adler Planetarium is no ordinary venue. Take full advantage of your Adler experience by adding a sky show, workshop, astronomy presentation, or hands-on science activity to your itinerary.

Please note: Most event extras must be scheduled four to six weeks before your event. Please contact your Food For Thought special events manager or McKensie Bartz at mbartz@adlerplanetarium.org or 312-542-2413 if you have any questions.



GRAINGER SKY AND DEFINITI SPACE THEATER SHOWS

Schedule four weeks before your event.

IMAGINE THE MOON 30-minute show: \$600

Adler's newest sky show, Imagine the Moon, explores how the Moon has inspired human creativity, learning, and exploration ever since we have looked to the sky. Each discovery has brought new opportunities to contemplate and imagine, until, driven by dreams, we left Earth and went there in the amazing journeys that culminated in astronauts walking on the Moon. People have imagined the Moon as a glowing disk in the sky, a destination in space, and a world that shares its origin with the Earth. The power of human imagination continues to inspire our relationship with the Moon as our partner in space and companion in our sky.

PLANET NINE 30-minute show: \$600

In July 2015, the New Horizons spacecraft gave us our first close look at Pluto, the most famous dwarf planet in the outskirts of our Solar System. The New Horizons flyby was big news, and the pictures it continues to send back to Earth reveal a world far more complex than anyone realized. Follow "Pluto Killer" Mike Brown and his team at CalTech as they uncover other dwarf worlds like the remarkably bright Eris; Haumea, an egg-shaped object rotating incredibly fast; and Sedna, whose orbit takes it deep into the far reaches of the Solar System. Is there a new planet beyond these distant objects? You'll tag along on Mike Brown's first night searching for the ninth planet at the Subaru Telescope in Hawaii. Join us on the hunt as we search for a planet that may be hiding in plain sight.





DESTINATION SOLAR SYSTEM 30-minute show: \$750

The year is 2096. Space tourism is booming, and you've signed up for a quick trip around the Solar System with Space Express Tours! In this live show, your guides are Jesse, a lovable rookie tour guide who can't wait to show you the wonders of your celestial neighborhood, and Max, the much more experienced—if slightly grumpy—shipboard computer. With Max steering the ship and Jesse chattering excitedly about each place you visit, you'll soar through the Asteroid Belt, explore the moons of Jupiter and Saturn, and hover over the roiling surface of the Sun. Hold on tight!

Available in the Grainger Sky Theater Only.

WELCOME TO THE UNIVERSE 15-minute show: \$400 • 25-minute show: \$600

The Universe is vast and largely mysterious, but it's also our home. Earth—and everyone who lives on it—is part of a huge network of exploding stars, swirling galaxies, orbiting planets, black holes, and strange features scientists are still trying to decipher. In *Welcome to the Universe*, you'll get a clear picture of your place in this jaw-dropping cosmic landscape. With the guidance of a live presenter, you'll explore the Pleiades star cluster, sail past the Andromeda galaxy, navigate the galaxies of the Coma Cluster, and discover hidden wonders of the Universe.

Available in the Grainger Sky Theater or Samuel C. Johnson Family Star Theater Only.

SKYWATCH LIVE! 15-minute show: \$300 • 25-minute show: \$500

The Adler's view of downtown Chicago is magnificent, but the lights of the city make it a little tough to see the ones in the sky. What's a stargazer to do? Join us for *Skywatch Live!* In this show, your live presenter will turn down the city lights and crank up the stars to show you the night sky over Chicago like you've never seen it before. You'll learn how to navigate by starlight, get to know the stars behind your favorite constellations, and witness the incomprehensible vastness of the Universe without ever leaving your seat.



EXPERIMENTS AND DEMONSTRATIONS

Schedule four weeks before your event. Each activity lasts two hours. Maximum of three activities per event.

Delight your guests with hands-on, minds-on science activities facilitated by museum educators. Guests are encouraged to participate in various activities that cast them in the role of scientist, engineer, astronaut, or creative problem solver. Each activity can accommodate approximately four to five people at a time.



EXPERIMENTS \$500 per activity

UNDER PRESSURE

Space is a vacuum. Without a protective blanket of air, everyday objects behave very differently in space. With the help of a vacuum chamber—and the guidance of an Adler facilitator—you and your guests will design and conduct a variety of experiments to find out what would happen to various objects in the vacuum of space.

DID YOU KNOW?

Without the protection of a space suit, an astronaut's saliva would boil in the vacuum of space.

LIGHTS IN THE SKY

The colorful Northern Lights come from massive storms on the surface of our Sun, which send huge clouds of charged particles across the Solar System. In this activity, an Adler facilitator will help you discover the origin of the Northern Lights and explore the science of how their colors are used by astronomers to uncover mysteries all around the Universe.

DID YOU KNOW?

Solar storms have caused blackouts in Quebec and have forced the Toronto Stock Market to close.



DEMONSTRATIONS \$500 per activity

DRY-ICE CAPADES

Unlike the ice at your local skating rink, dry ice does not melt—but it can change into vapor and even explode under the right conditions. In *Dry-Ice Capades*, you'll conduct a series of experiments to find out what it takes to get dry ice to shift into other states of matter. You may even capture some dry-ice fog and lead your group to an explosive conclusion.

DID YOU KNOW?

Comets “sublimate”—change from one state of matter into another—as they approach the Sun, creating tails that are more than 93 million miles long.

LIQUID NITROGEN FUN

Liquid nitrogen boils at -321°F . At this temperature, everyday objects act extremely weird. Through a series of demonstrations, you can explore what happens to objects like balloons, bananas, and gummy bears at the extreme temperatures of the outer Solar System. You'll also see a model of Neptune's cryo-geyser!

DID YOU KNOW?

Many of our Solar System's distant moons have volcanoes that spew ice instead of fire!

TEAM BUILDING WORKSHOP: ROLLING ROVERS

Because it can take more than 20 minutes for instructions from Earth to reach Mars, operators of the Mars rovers send packets of code to tell the rovers what to do. In this facilitated activity, teams program a robot to do specific tasks. The programming is easy, the robot is cute, and the challenge gets your team working together.

DID YOU KNOW?

Mars Rover Opportunity's original mission was scheduled for 90 days. It has now been doing science on Mars continuously for more than 12 years.



TELESCOPE VIEWING \$500

An Adler educator (or facilitator) will bring the Universe a little closer to your guests with guided telescope viewing. Depending on the time of year and conditions, you could see the Moon, planets, stars and more!

Based on staff availability, sky lighting conditions, and weather. Schedule six weeks before your event.

MEET AN ASTRONOMER / ASTRONOMY PRESENTATION \$500

Let an Adler astronomer wow your guests as they discuss topics relating to space exploration, astronomy, and cutting-edge research.

Schedule six weeks before your event.



HISTORIC ATWOOD SPHERE EXPERIENCE \$500

The Atwood Sphere is a 17-foot, 500-pound steel globe that showcases the night sky as it appeared over Chicago in 1913. In this intimate encounter with the Universe, a facilitator will lead your group into the globe on a tour of the sky, share ancient stories about constellations, talk about scientific discoveries that have been made since the Atwood Sphere was built, and help you create your own star sign saga. Each tour is limited to 8 people and lasts approximately 10 minutes.

Schedule six weeks before your event.



DOANE OBSERVATORY \$1,000

The Doane Observatory is the largest aperture telescope available to the public in the Chicagoland area, located east of the Adler's main building and beside the shores of Lake Michigan. With its 20-inch (0.5 m) diameter mirror, the Doane can gather over 5,000 times more light than an unaided human eye, allowing you and your guests to see celestial objects like the Moon, planets, stars, and galaxies that are trillions of miles away.

Schedule six weeks before your event. Two hour limit, weather permitting.



COMMUNITY DESIGN LAB \$500

The *Community Design Lab (CDL)* is a flexible workshop where you can roll up your sleeves, test your ideas, and solve problems creatively. In the *CDL*, you'll do more than learn about science—you'll become the principal investigator in your own scientific research! With unconventional tools like marshmallows, LEGO® bricks, duct tape, shaving cream, and pipe cleaners, you'll find imaginative ways to interact with the Universe. The *CDL* can accommodate up to 25 people.

Schedule four weeks before your event.