GROUP PLANNER
THE ULTIMATE GUIDE TO PLANNING YOUR VISIT

Union Station & Science City
Looking for the ultimate destination for your group event? There is no other place as historic and iconic as Union Station. Large groups. Small groups. Adults. Youth. The options at Union Station are endless. And the memories you’ll create here are priceless.

For 100 years, this landmark has served as the choice destination for our growing community and region. Today, it serves as the place where Kansas City connects, creates, discovers, and celebrates. We offer fun and unique attractions, world-class touring exhibitions, educational programs, teambuilding activities, and private group buyouts.

This is your ultimate guide to planning your Union Station visit. We have every minute of your trip planned including a place to enjoy your lunch and easy access for bus drop-off and pick-up. Your day with us will be fun and worry free. We have several new attractions and programs as well as traditional favorites for everyone to explore and enjoy. Read through this guide, we break down everything that Union Station has to offer. It’s easy to customize your visit, you pick the activities that best meet your needs and we take care of the rest. We can’t wait for your next visit!

Union Station Kansas City is a historical landmark and civic asset renovated and reopened to the public in 1999. It features a science center, world-class touring exhibitions, an extreme screen theatre, planetarium, live theatre, shops and restaurants. Union Station receives no public funding. The Station’s operating costs are funded by general admission and theatre ticketing, grants, private donations, commercial space leases and facility rental. Union Station is an affiliate of the Smithsonian Institution in Washington, D.C.

Our Mission and Our Goal

Union Station Kansas City is dedicated to preserving its historic monument and its stories, inspiring lifelong learning and creating lasting memories for our community.

To educate people of all ages in the area of Kansas City regional history and in the exploration of science, and to assist in experiencing old and new technologies affecting our lives and inspiring others to become innovators in developing technologies for the future.
Groups of 10 or more can enjoy discounted group rates with advanced reservation and payment. Price listed below is price per person, unless otherwise noted. One adult chaperone is required for every ten children, but we prefer one adult for every five children. Groups of 10 or more children will receive one complimentary adult admission for every five paid children. Additional adults outside of this free ratio will receive the discounted group rate.

**Scholarships**
To inquire about scholarship opportunities contact Katlyn Baker at 816.460.2093 or KBaker@UnionStation.org. Limited funds for bus transportation and attractions are available throughout the year and must be requested at the time the reservation is submitted.

*Scholarships*

<table>
<thead>
<tr>
<th>Counties Applying</th>
<th>Atchison</th>
<th>Douglas</th>
<th>Franklin</th>
<th>Johnson</th>
<th>Leavenworth</th>
<th>Miami</th>
<th>Shawnee</th>
<th>Wyandotte</th>
<th>Buchanan</th>
<th>Cass</th>
<th>Clay</th>
<th>Clinton</th>
<th>Jackson</th>
<th>Johnson</th>
<th>Lafayette</th>
<th>Livingston</th>
<th>Platte</th>
<th>Ray</th>
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Scheduling Your Visit

☐ Review all visit options and pricing.

☐ Complete the online reservation form at UnionStation.org/Groups.

☐ A confirmation email will be sent to coordinating group leader within two business days of submitting online reservation form. Confirmation will include itinerary and invoice as well as pre-visit materials to help prepare for the visit.

Payment
Payment is due at least two weeks prior to visit date. If payment is not received by your due date, your visit could be cancelled. In the event additional tickets are needed the day of your visit (additional children and/or adults) the group leader will need to pay for the additional tickets in one transaction upon arrival. Please allow extra time for this transaction.

Late Arrivals
Late arrivals may affect scheduled programming. We will make an effort to accommodate your group, but please note refunds and exchanges are not guaranteed.

Membership Policy
While members receive complimentary year-round general admission, these admission privileges do not extend to group admission. Please include any members in your overall head count.

Lunchrooms
In an effort to make your day with us as easy and worry free as possible, we have a dedicated lunchroom space for groups to enjoy their sack lunches. Groups may choose between four different times: 10:45 a.m., 11:30 a.m., 12:15 p.m., 1:00 p.m. Each time gives groups 30 minutes and the room holds a maximum of 225 individuals. Space permitted, multiple groups may be inside the lunchroom at the same time.

Questions?
For personal assistance planning your group visit contact Katlyn Baker at KBaker@UnionStation.org or 816.460.2093 (Monday-Friday 9 a.m.-5 p.m.)

To schedule a group visit or modify an existing reservation contact Kayla Burns at KBurns@UnionStation.org or 816.460.2283 (Monday-Friday 9 a.m.-5 p.m.)
Union Station has been chosen as the Americas’ premiere host of Stonehenge: Ancient Mysteries and Modern Discoveries! Stonehenge will feature over 300 original artifacts (150 of which have never traveled outside of Europe) across six mystery revealing galleries.

Described as inspiring, magical and sacred, Stonehenge is a prehistoric monument in Wiltshire, England and one of the most famous landmarks in the United Kingdom. It consists of several rings of standing stones, the largest around 23 feet high, nine feet wide, and weighing over 50,000 lbs each. Scientific analysis has revealed the stones that form the inner ring were transported an incredible distance from the Preseli Mountains in Wales, over 150 miles away, with no modern means of transportation.

Stonehenge is one of the world’s most storied and mysterious monuments. Who built it? How did they build it? When? And why? This world-class exhibition allows guests to explore and experience all of those questions and encounter the very latest that science is revealing. The exhibition spans 12,000+ years of Stonehenge and presents not only priceless artifacts, but 23 masterfully produced videos and multiple hands-on interactives.

Stonehenge is known as a place of ancient mystery, but the understanding largely stops there for most. With the use of cutting edge technology, we now have answers to questions that have mystified for literally thousands of years. Visitors will be captivated as they experience this fantastic journey in a personal and hands-on way.

The exhibition is only here four short months, leaving September 29, 2019. We strongly encourage group leaders to make this journey of history, mystery, and science a priority for their summer and early fall plans.
Science City is a place of wonder where visitors can find something new with each visit. Let curiosity be your guide through nearly 325 permanent interactive and static exhibits. Throw the don’t touch mindset out the window. There are no tests and no wrong or right answers, just a chance to explore with freedom and pure imagination. Its magic starts with its location — architectural and historic marvel, Union Station provides a venue unlike any other science center in the nation. Experience and learn science concepts and how they are found all around you every day. Science City is a self-guided experience.

Science City is open Tuesday - Saturday: 10 a.m. - 5 p.m. and Sunday: 12 p.m. - 5p.m. Science City is open Mondays, 10 a.m. - 5 p.m. during summer hours, Memorial Day - Labor Day.

The Amazing Brain
The largest and newest exhibit in Science City, this 2,800-square-foot exhibit explores the body’s command center — where you form memories, feel emotions, learn new things, and so much more. Designed to exercise the 3-pound organ in your head, The Amazing Brain contains 14 unique exhibit pieces, including:

READY, SET, RECALL is a colorful, fast-paced demonstration of your brain calling your memory network into action. Alone or with a group, see how well you can follow a racing pattern of lights and sounds until you make a mistake or win.
BALANCE ME tests the teamwork between your brain and body. How long can you stay on an unsteady platform before you lose your balance?
THE NOSE KNOWS sniffs through a library of different scents and tests how well your brain interprets the smells, from a rose to a skunk.
MINDBALL challenges your ability to relax your way to victory. The billions of neurons in your brain talk to each other through electrical pulses — brain waves that are measured in this exhibit with a technology called EEG (electroencephalography) feedback.
LIE DETECTOR tests your partner to see if you can fool or be fooled. But watch out — your brain may release cortisol when you lie, leading to physical reactions like sweating and a rapid heartbeat!
Every Last Drop
Water feels ordinary to us because it’s so familiar, but it’s a truly extraordinary molecule. Every Last Drop explores water and our relationship to it. The exhibit — packed full of interactive elements — covers three vital topics. In What is Water? Dive into the fascinating scientific properties of H2O. Explore the interaction between Water & Life, from watersheds to water treatment. In Tapped Out, learn more about how we use water and why we should conserve it.

Simple Machines at Play
Humans have always looked for better ways to do things. Simple Machines at Play explores six special mechanical devices — the simple machines — that have transformed our world by letting us do more work with less effort. While simple machines are used to make work easier, in this expansive outdoor exhibit they’re the basis for play too! You’ll climb, race, lift, and slide — moving your body and engaging your mind on the way to a better understanding of these transformative inventions. Local weather information and advisories will be monitored via the National Weather Service at weather.gov

Genetics: Unlock The Code
You are 99.9% percent identical to the person standing next to you. Genetics: Unlock The Code helps visitors discover the science and wonder behind that fraction of a percent. Through interactive discovery, you’ll gain a better understanding of the human genome — the set of instructions that tells your body’s cells how to operate. Genetics is what makes you, well … you! It’s science, supercharged — you have to see it to believe it.
Science City Favorites

Science of Energy
The Science of Energy explores energy and our relationship to it. You will actively examine your own human energy and understand what it means to be unplugged. Through interactive discovery, you gain a better understanding of where our energy comes from, with an emphasis on renewable sources like wind and solar. You’ll also gain global perspective that provides valuable insight into the world’s relationship with energy, now and in the future.

Science on a Sphere
Science on a Sphere (SOS) presents a stunning and powerful visual perspective of Earth and other objects in our solar system. Designed and supported by the National Oceanic and Atmospheric Administration, SOS utilizes a unique projection system to display animated images using a six-foot suspended carbon fiber sphere. You can take an out-of-this-world tour of our solar system and explore our planet’s dynamic landscapes, oceans and weather. Live 10 - 20 minute shows are led by Science City educators throughout the day.

Nature Works
Nature Works allows you the opportunity to observe a diverse group of animals; compare and contrast their physical characteristics, behaviors and habitats; explore the animal kingdom; and meet interesting creatures that call the Nature Works home.
Sky Bike
Our Sky Bike challenges you to put the law of physics to the test while seated on a bicycle that is suspended on a high wire 30 feet above the ground. You will experience the importance of your center of gravity and discover the relationship between counterweights and balance, all while enjoying a view of Science City! Riders must meet height and weight requirements, at least 53” tall and weigh less than 200 lbs.

Mister E. Hotel
The famed illusionist, Mr. E, has loaded this hotel with more than 21 different illusions to confuse and astound hotel guests. Unravel the “magic” that invokes the illusory perceptions and sensations experienced here. Shock your friends as you appear to become a disembodied head and torso at the Diner Table, watch your body dissolve in the Washroom Mirror, see objects bend and distort at the Vision Warper, and learn the secrets of dozens of other illusions at the Mister E. Hotel.

Giant Lever
A lever is a simple machine that transfers a force to a load to provide a mechanical advantage. During the tug-o-war, the Giant Lever’s high rope at six feet has a 3 to 1 mechanical advantage over the low rope at two feet. It takes three times as many people on the low side to have a chance of winning the tug-of-war. The higher rope is easier to pull since it is further away from the Giant Lever’s fulcrum – the point where the lever pivots. Encourage guests as a group to do the Giant Lever ‘tug-of-war’. This exhibit is best experienced when multiple people use it at the same time.
Youth groups participate in facilitated and grade-level specific programs that extend and reinforce science principles. Discovery Areas provide in-depth learning with a structured environment.

Programs are scheduled at 9:30 a.m. and 12 p.m., Tuesday - Friday. All programs are a 90-minute experience. Please note, we cannot accommodate different Discovery Area programs within the same space on the same day. (Example: 9:30 a.m. ArtBot and 12 p.m. 3D Printing.) Both programs must either be ArtBots or 3D Printing.

Discovery Areas are not available during summer hours, Memorial Day - Labor Day.

**Maker Studio**
Become a maker and be inspired to create new and unique things through hands-on learning.

**3D Printing & Drawing**
Grades 3 - 5 | 15 - 30 Students
Grades 5 - 6 | 15 - 30 Students
Learn about the 3D printing process from design to completion. Participants will learn the basis of 3D design and draw a sketch that we will transform into a 3D shape. They will learn about how 3D printers work and 3D print the model they designed during class.

**3D Printing & 3D Design**
Grades 6 - 8 | 15 - 30 Students
Grades 9 - 12 | 15 - 30 Students
Learn about the 3D printing process from design to completion. Participants will learn the basics of 3D design and make their own 3D model in a design program. They will learn about how 3D printers work and 3D print the model they designed during class.

**ArtBots**
Grades 3 - 5 | 15 - 30 Students
Grades 4 - 6 | 15 - 30 Students
Grades 6 - 8 | 15 - 30 Students
Grades 9 - 12 | 15 - 30 Students
Make a simple robot that creates art by combining electronics components and art materials. Participants will gain an understanding of basic electrical circuits and engineering as they design, create, and tweak their robots. Participants get to take home their ArtBot at the end of the class.

**Coding & Physical Computing**
Grades 6 - 8 | 15 - 30 Students
Grades 8 - 10 | 15 - 30 Students
Grades 9 - 12 | 15 - 30 Students
Explore physical computing and write code that interacts with real world objects. Participants will learn how to write programs that respond to their environment through sensors using the Circuit Playground microcontroller board. No coding experience necessary.
**Create Circuits!**
Grades PK-K | 10 - 15 Students  
Grades K - 1 | 10 - 30 Students  
Grades 1 - 2 | 10 - 30 Students
Young makers will learn about electricity and circuits by exploring electronic blocks. Participants will build a robot and add circuits to make it light up and move. They will add switches and explore other ways to control their circuits.

**Laser Cut Machines**
Grades 3 - 5 | 15 - 30 Students  
Grades 4 - 6 | 15 - 30 Students  
Grades 6 - 8 | 15 - 30 Students  
Grades 9 - 12 | 15 - 30 Students
Make a machine using laser cut parts. Participants will learn about laser cutting technology and about mechanics as they assemble their own automata machines with custom laser cut parts they’ve designed. Participants get to take their machines home at the end of class.

**Make Music!**
Grades PK - K | 10 - 15 Students  
Grades K - 1 | 10 - 30 Students
Young makers will learn about the physics of sound by exploring how and what they hear with different scientific tools. Students will make their own instruments and test them out while playing in our science symphony.

**Molding & Casting**
Grades 3 - 5 | 15 - 30 Students  
Grades 4 - 6 | 15 - 30 Students  
Grades 6 - 8 | 15 - 30 Students  
Grades 9 - 12 | 15 - 30 Students
Learn about mold making and casting processes, as well as materials science, and chemistry. Participants will mix together materials to make their own finger molds, then cast crayons into the molds. Participants get to take the crayons and molds home at the end of the class.

**Nature Works**
Observe a diverse group of animals, compare and contrast their physical characteristics, behaviors and habits. Explore the animal kingdom and meet interesting creatures that call the Nature Center home.

**Design an Animal**
Grades 1 - 3 | 15 - 30 Students  
Grades 4 - 5 | 15 - 30 Students  
Grades 6 - 8 | 15 - 30 Students  
Grades 9 - 12 | 15 - 30 Students
It is the year 3,000 and it is now possible for humans to build planets and genetically engineer or create planets and animals to live on that planet. You are one of the scientists working on the animals and it is your job to create an animal that will be perfectly suited to its’ environment on this new planet.
Test Kitchen
Participants, working as food scientists, will discover the science behind some of our favorite foods.

Cooking Like a Scientist
Grades 5 - 8 | 15 - 30 Students
Using food as the context, participants learn to use the scientific process in the kitchen. They observe types and traits of foods and describe differences in similar food products. Participants will also predict scientific outcomes and test the results.

Food for Thought
Grades 4 - 5 | 15 - 30 Students
Grades 5 - 6 | 15 - 30 Students
Grades 6 - 8 | 15 - 30 Students
Participants will use the scientific process as they make hypotheses, test, collect data, and share results using food samples. Whole food will be tested for protein, sugar, starch, and vitamin C. Teams will discover the attributes and importance of nutrients. During the conclusion of the program, there will be a friendly competition to determine which group has designed the most nutritious meal.

Gross Science
Grades 4 - 6 | 15 - 30 Students
Discover how the kitchen and “gross” science have a connection. Participants will uncover the digestive system from beginning to end while making and sampling no-bake cookies. Fun and learning abound during program activities while students incorporate math and measuring skills and uncover digestive system science.

Science of Popcorn
Grades 1 - 2 | 15 - 30 Students
Grades 3 - 5 | 15 - 30 Students
Participants experiment with popcorn and discover the science behind these mini explosions. Students will compare and contrast types of corn, predict results with different corn kernels, and taste the outcome.

Thinking Like a Scientist
Grades 1 - 2 | 15 - 30 Students
Grades 3 - 4 | 15 - 30 Students
Using food as the context, participants learn to use the scientific process in the kitchen. They observe types and traits of foods and describe differences in similar food products. Participants will also predict scientific outcomes and test the results.
**Engineering**
Through the generosity of Burns & McDonnell, a Kansas City-based engineering, architecture and construction firm, the design environment reflects that of a contemporary studio to challenge today’s young engineers.

**Robot Adventures**
Grades 1 - 2 | 15 - 30 Students
Grades 3 - 4 | 15 - 30 Students
Looking for a fun, hands-on way to introduce your group to science, technology, engineering and math concepts? We have the answer! Featuring LEGO® Educator WeDo Robotics, this program challenges participants to problem solve while building and programming their own mode of transportation (boat and airplane) or wild animal (alligator and lion).

**Robot Rebellion**
Grades 5 - 6 | 15 - 30 Students
Grades 6 - 8 | 15 - 30 Students
Are you ready to take your group to the next level with a more advanced robotics program? This challenging program focuses on participants developing and growing their programming skills using LEGO® MINDSTORMS® Education EV3 software and hardware. The Robot Rebellion allows participants to apply and adapt their programming skills while problem-solving their robot through missions related to renewable energy.

**KinderLab**
Young scientists experience the fun of science with hands-on activities using real laboratory tools. Educators involve the participants through multi sensory learning and encourage them to use their natural curiosity and imagination to experiment, discover and learn.

**Kinder Testing**
Grades PK - K | 10 - 15 Students
Grades K - 1 | 10 - 30 Students
Safe laboratory tools such as graduated cylinders, beakers, test tubes, pipettes, tongs and Petri dishes are used in multi-sensory learning activities. Scientific vocabulary is modeled and encouraged as children participate in beginning scientific studies. Science process skills of wondering, thinking, predicting, hypothesis making, testing, observing, and sharing aloud our emphasized.

**Science Meets Literacy**
Grades PK - K | 10 - 15 Students
Grades K - 1 | 10 - 30 Students
This program connects an early learning book with a science concept. Activities include multiple stations for hands-on experiences and learning. Topics include: Astonishing Air, Beginning Botanist, Blocks Measure Up, Busy Buzzing Bees, Discovering Shells, Feathered Friends, Magnificent Magnets, Rainy Weather, and Water Play.
Science City wants to be a part of your community or company event with our interactive and educational science programs. These demonstrations stimulate interest and teach basic science concepts. Standard fee is $200 per show. Additional show (same day, same location) are $150. No mileage fees are assessed for locations within 30 miles of Union Station. Distance surcharges are as follows: $60 (31-50 miles); $120 (51-75 miles); $180 (76-100 miles).

Classroom Workshops
All Ages | 90 Minutes | Classroom Setting for Small Groups

**ArtBots**
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Grades 4 - 6 | 15 - 30 Students
Grades 6 - 8 | 15 - 30 Students
Grades 9 - 12 | 15 - 30 Students

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**Make It/Take It Activities**
All Ages | 45 Minutes | Hands-On, Walk-Up Activities for Large Events

- **Eewy Goo** - Basic chemical reactions become a fun toy
- **Hoop Gliders** - Explore the physics of flight
- **Planispheres** - Make your own star map
- **Thaumatropes** - Design your own optical illusion

**Stage Shows**
All Ages | 45 Minutes | Assembly Setting for Large Groups

These fun, engaging presentations are 45 minutes or longer with extended Q & A. These shows are appropriate for audiences of most ages.

- **Flames, Smoke, & Sizzle** – Learn about the science of combustion in a super-hot, enlightening demonstration. Observe the effect of heat on different substances in these controlled explosions. Important fire and safety practices are emphasized.
- **Force & Motion** – Explore the often invisible yet amazing forces of physics! The concepts of gravity, centripetal force, energy, and collisions are explained using bouncing basketballs and spinning wheels.
- **Radical Reactions** – What is happening during chemical and physical reactions? Properties of everyday materials are the reasons you’ll see some extraordinary results.
- **Under Pressure** – How much power is available from the air? What can we do with it? How do extreme temperatures affect air density? What do we mean by atmospheric pressure?
- **Volts & Jolts** – Electricity is illuminated in a series of shocking experiments! Explore electrons and protons as the Van de Graaff generator creates volts of hair-raising excitement. Experience the power of static electricity!

**Tabletop Demonstrations**
All Ages | 1 or 2 Hours | Walk-Up Activities for Large Events

A Science City Educator will host a table with interactive demonstrations to fit your theme providing the scientific explanation and other assistance for groups and individuals to walk-up and observe or participate.

- **Fun Chemistry** – Participate in cool chemical reactions. See, touch and hear what happens when everyday household ingredients get together.
- **Static Charge** – What materials store electric charge? Can electricity be conducted through people? Using a Van de Graaff generator watch your hair stand on end and see crispy cereal dance.
Science City After Hours is a great learning opportunity for your group of 50 or more. After Hours programs are designed to create a private, science-fun experience for your group. Programs include Educator-led activities, exploration of Science City and a Planetarium show. After Hours events are available to book Fridays and Saturdays pending availability and with advanced reservation and payment.

After Hours Events are not available during summer hours, Memorial Day - Labor Day.

Choose from the two programs below, then review program themes, and choose an option.

**SleepOver In The City**
Includes all of the activities listed and an overnight stay in the science center. An evening snack and a continental breakfast are also provided during SleepOver In The City.

**Evening In The City**
Includes all of the listed activities without having to stay overnight. An evening snack is included during Evening In The City.

- **Art Science**  
  Recommended for Grades 1 - 4  
  Art meets science featuring spin art, chromatography and a Planetarium show.  
  *Educator Suggested Planetarium Show: Earth, Moon & Sun*

- **Cold Science**  
  Recommended for Grades 2+  
  Shivering cold science activities plus multiple dry ice demonstrations and a Planetarium show.  
  *Educator Suggested Planetarium Show: Into the Deep*

- **Engineering**  
  Recommended for Grades 3+  
  Design, invent and problem solve with Engineering activities throughout the evening and enjoy a Planetarium show.  
  *Educator Suggested Planetarium Show: Back to the Moon for Good*

- **Space Exploration**  
  Recommended for Grades 3+  
  Out of this world science activities including a solar system Science On a Sphere show, vacuum chamber demonstrations and a live guided tour of our night sky in the Planetarium.  
  *Educator Suggested Planetarium Show: Star Station LIVE*
Immerse yourself in our out-of-this world space experience. Combining interactive astronomy education with spectacular public shows and night sky viewings, the Arvin Gottlieb Planetarium continues to be one of Kansas City’s greatest connections to the night sky. You’re sure to be amazed!

Private group shows are available at 9:30 a.m. and 11 a.m., Tuesday - Friday. Groups of 10 or more have the option of attending a public show, while still receiving the group rate. Visit UnionStation.org/Visitor for current schedule. Daily shows and times are subject to availability.

Private group shows are available at 9:30 a.m. Monday - Friday during summer hours, Memorial Day - Labor Day.

**THE UNIVERSE JUST GOT BIGGER**

- Features a dual-4K projection system, giving it significantly higher resolution and clarity than most 4K cinema or digital IMAX theaters. We have the only 4K planetarium in Missouri and the biggest dome with an RSA Cosmos system in the U.S.
- 5.1 surround sound system
- Full accessibility accommodations for wheelchairs, sign-language interpreters, and other special needs.
- The system hardware and software upgrades our existing catalogue in resolution and clarity, at the same time giving our education staff tools to produce more educational and interactive programs than ever before.
- State-of-the-art astronomy visualization software and access to the latest celestial databases bring not only a new night sky, but the entire observable universe right to our doorstep.
- Seats 150 per viewing in dome recliners
Capcom Go! – The Apollo Story
(Produced by NSC Creative)
Grades 4+ | Running Time: 25 Minutes
Celebrate the 50th anniversary of Apollo 11 with Capcom Go! – The Apollo Story. This immersive experience showcases the incredible achievements of NASA’s early days and takes an in-depth look at what it took to put the first humans on the Moon. This brand-new production from award-winning Fulldome producers NSC Creative introduces a new generation to the immense challenges scientists and engineers overcame to achieve this century-defining accomplishment, and will hopefully inspire the next generation to become the explorers, thinkers, and dreamers of the future.

Cosmic Origins Spectrograph
(Produced by University of Colorado Boulder)
Grades 7+ | Running Time: 30 Minutes
Join us in the exploration of this hidden universe as we decode the secrets to the origins of the cosmos! This show highlights the current research of Cosmic Origin Spectrograph (C.O.S.) aboard the Hubble Space Telescope, the last instrument installed by the NASA astronauts. C.O.S. is allowing us an unprecedented view into the vast spaces between galaxies which surrounds our own Milky Way. The show covers the basics of spectroscopy at a high level, and touches on the processing of galactic and extragalactic gas. Other topics include the use of quasars as background light sources, cosmic evolution, and the development of large scale structure.

Dawn of the Space Age
(Produced by Mirage3D Studios)
Grades 6+ | Running Time: 40 Minutes
From the launch of the first artificial satellite Sputnik, to landing on the moon and privately operated space flights, you will immersed and amazed by this historic reconstruction of mankind’s first steps into space and witness the drive, passion and perseverance of the first humans to leave the Earth in exploration.

Dinosaurs at Dusk: The Origins of Flight
(Produced by Mirage3D Studios)
Grades 1+ | Running Time: 40 Minutes | Available in Spanish
Travel back to the time of the dinosaurs. Lucy, a budding pilot and amateur paleontologist, and her science teacher father fly through the Triassic, Jurassic and Cretaceous periods to soar with Quetzalcoatlus, escape from raptors, and ride behind Argentinosaurus, all the while searching for the famous asteroid that killed the dinosaurs. You will feel as if you were truly transported to another era of Earth’s history and flying high with the dinosaurs!

Earth, Moon and Sun
(Produced by: The Morehead Planetarium and Science Center)
Grades 1-6 | Running Time: 30 Minutes
Explore the relationship between the Earth, moon, and sun with the help of Coyote, a character adapted from Native American oral traditions who has many misconceptions about our home planet and its neighbors. His confusion about the universe helps viewers think about how the Earth, moon and sun work together as a system. Native American stories are used throughout the show to help distinguish between myths and science.
Into the Deep  
(Produced by Ogrefish Productions)  
Grades 4+ | Running Time: 30 Minutes  
An exciting exploration of Earth's oceans, using the immersive power of the Arvin Gottlieb Planetarium to transport audiences to the spectacular hidden depths of our home planet. The show shares glimpses of rarely seen marine organisms: bioluminescent fish, jellyfish, squid, and eels, all perfectly adapted to the extreme pressures and temperatures of their alien environment.

Laser Adventure  
(Produced by Laser Fantasy)  
All Ages | Running Time: 25 Minutes  
Go on a fast-paced, music-filled trip featuring amazing laser-generated images spanning our giant 60 foot dome. It's fun, fascinating and a perfect introduction to our breathtaking, new planetarium technology and content. Laser Adventure includes a special presentation on the science of how lasers work, exclusive for groups!

Magic Tree House: Space Mission  
(Produced by Morehead Planetarium and Science City)  
Grades PK-6 | Running Time: 30 Minutes  
Based on the hit children's book series, travel with siblings Jack and Annie in their Magic Tree House as they discover a note that asks them to answer a series of six questions about space. With the help of an astronomer, an astronaut, the internet, books, and the writer of the mysterious note, Jack and Annie are taken on a wondrous journey of adventure and learning to the planets and far out into the Universe!

Mars 1001  
(Produced by Robin Sip, Mirage3D, Evans & Sutherland)  
Grades 5+ | Running Time: 40 Minutes  
Travel with us to the not-so-distant future and join explorers on a daring 1000 day mission to fly an international crew to Mars and return them safely to Earth for the first time. Featuring a stunning mix of live-action, cutting-edge technology, and advanced digital simulations, embark with us on the greatest adventure of the 21st century and unlock the secrets of humanity's next home!

One World, One Sky: Big Bird's Adventure  
(Produced by Sesame Street Workshop, PNC)  
Grades PK-2 | Running Time: 25 Minutes | Available in Spanish  
Through the lens of astronomy join Elmo, Big Bird and Hu Hu Zhu - a Muppet from the Chinese co-production of Sesame Street - on an adventure to the moon and to explore the night sky. One World, One Sky aims to provide young children in the U.S. and China with an age appropriate introduction to astronomy, to promote positive attitudes toward science, and to foster cross-cultural appreciation.
**Phantom of the Universe: The Hunt for Dark Matter**  
(Produced by Lawrence Berkeley National Laboratory)  
Grades 6+ | Running Time: 30 Minutes  
Experience the exciting exploration of dark matter, from the Big Bang to recent discoveries at the Large Hadron Collider in Geneva. This show reveals dark matter’s earliest clues, covering the astral choreography of galactic orbits as well as sensitive detectors hidden deep underground in ancient gold mines. Finally, take a first-person trip inside the world’s largest particle accelerator at CERN to witness firsthand the forces that are illuminating this mysterious, invisible particle that fills our universe.

**Sky Station LIVE: Seasonal Star Tour**  
(Produced by The Arvin Gottlieb Planetarium, Patrick Hess)  
All Ages | Running Time: 30 - 40 Minutes  
Witness the ONLY 4K seasonal star tour in the lower Midwest: Sky Station LIVE! Join our expert Science City Educators for a one-of-a-kind journey through the night sky and beyond. Go back in time and learn about the mythology that began to shape our understanding of the world, discover many jewels of the cosmos hiding just out of sight, and see familiar evening sights like never before. Come explore the stars with us!

**Two Small Pieces of Glass**  
(Produced by Interstellar Studios, ‘Imiloa Planetarium)  
Grades 4-12 | Running Time: 25 Minutes  
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. See how telescopes work and how the largest observatories in the world use these instruments to explore the mysteries of the universe.
Regnier Extreme Screen Theatre

This 3D Digital Theatre offers a variety of educational and entertainment films and first- and second-run movies. At five stories tall and 80-feet wide, the theatre has the biggest screen in the region. Projectors offer crystal clear and stunning images sure to amaze any crowd. Bring your group to see amazing 3D educational films on the largest screen in the Midwest.

Group shows are available Monday - Friday at 10:30 a.m. and 11:30 a.m. During the summer hours Great Bear Rainforest will play at 10:30 a.m. and Superpower Dogs 3D will play at 11:30 a.m. Stay tuned for our fall schedule!

Groups of 50+ can choose to view any one of our educational movies listed below at 9:30 a.m. Groups may also view the 12:30 p.m. feature show for only $5/person. Inquire for more details about this option. Visit UnionStation.org/Visitor for current schedule. Daily shows and times are subject to availability.

Dream Big: Engineering Our World 3D
Running Time: 45 Minutes
Narrated by Academy Award® winner Jeff Bridges, Dream Big: Engineering Our World is a first of its kind film for IMAX® and giant screen theatres that will transform how we think about engineering. From the Great Wall of China and the world’s tallest buildings, to underwater robots, solar cars and smart, sustainable cities, Dream Big celebrates the human ingenuity behind engineering marvels big and small, and reveals the heart that drives engineers to create better lives for people around the world. Filmmaker Greg MacGillivray explores the human ingenuity behind engineering marvels – big and small – and reveals the heart that drives engineers to create better lives for people around the world.

Extreme Weather 3D
Running Time: 45 Minutes
This film will take you on a journey, from ice to fire to tornados, while illustrating how all of these extreme elements are connected. Understanding this interconnectedness is one of the keys to living in a world where extreme weather is becoming the norm. And scientists are working to unlock other keys that will help us predict and survive the extreme weather to come.

Great Bear Rainforest
Running Time: 41 Minutes
Journey to a land of grizzlies, coastal wolves, sea otters and the all-white spirit bear - the rarest bear on earth - in the film Great Bear Rainforest. Hidden from the outside world, the Great Bear Rainforest is one of the wildest places left on earth. Found on Canada's remote Pacific coast, it is the last intact temperate rainforest in the world-a place protected by the region’s indigenous people for millennia. Now, for the first time ever, experience this magical world in IMAX and giant screen theatres, and discover the land of the spirit bear.
**Lewis and Clark: Great Journey West**  
Running Time: 60 Minutes  
Relive one of the greatest tales of adventure and exploration in history, as National Geographic brings to life the epic journey of Lewis, Clark, their guide Sacagawea, and the brave Corps of Discovery across the land that would become the United States. Now, two hundred years after the launch of this ambitious expedition, experience first-hand the danger and breathtaking beauty of the unknown West as it unfolded before the eyes of Lewis and Clark.

**National Parks Adventure 3D**  
Running Time: 45 Minutes  
A MacGillivray Freeman film produced in association with Brand USA and narrated by Academy Award® winner Robert Redford, National Parks Adventure is acclaimed filmmaker Greg MacGillivray’s most visually ambitious giant-screen film to date—a film that offers not only a sweeping overview of the national parks’ history, but is equal parts adrenaline-pumping odyssey and soulful reflection on what the wilderness means to us all.

**Superpower Dogs 3D**  
Running Time: 47 Minutes  
Join an immersive IMAX® adventure to experience the life-saving superpowers and extraordinary bravery of some of the world’s most amazing dogs. In this inspiring true story, our best friends are also real-life superheroes. Journey around the globe to meet remarkable dogs who save lives and discover the powerful bond they share with their human partners. Follow Halo, a rookie puppy training to join one of the most elite disaster response teams in America. Meet Henry, an avalanche rescue expert in the mountains of British Columbia, Reef, a Newfoundland lifeguard with the Italian coastguard, Ricochet, a Californian surf legend helping people with special needs, and the Bloodhound brothers, Tipper & Tony, who are leading the fight to save endangered species in Africa. As we discover the incredible abilities of dogs and the astonishing science behind their superpowers, we’ll never look at our best friends the same way again!

**We the People**  
Running Time: 45 Minutes  
We the People explores American Democracy through the ideals and tenets of the Declaration of Independence, the Constitution and the Bill of Rights. The buildings and monuments of Washington D.C., historic paintings and photographs come alive making this film a riveting introduction to America’s cherished ideals. The film is designed to imbue audiences with respect for the founding documents of our republic and the sacrifices made by successive American generations to maintain our basic freedoms and ideals.
Enjoy a variety of live theatre throughout the year presented by Theatre for Young America. When visitors attend a performance they not only experience live professional theatre of the highest quality, they can meet the actors and participate in a post-show discussion. Each show lasts 60 minutes and show times vary. Visit UnionStation.org/Visitor for current schedule.

Dragons Love Tacos | 10/8/19 – 11/9/19
Based on the popular book by Adam Rubin, this very funny story has been made into a musical by Ernie Nolan and Chris LaPorte. You know what Dragons really love? Tacos of course! A boy and his dog are watching a TV show about dragons when they unexpectedly get caught up in the ‘Dos and Don’ts’ of what to serve to dragons to eat. Dragons love tacos, but if they accidentally eat spicy salsa... watch out!

Count Dracula | 10/24/19 – 11/2/19 (7pm nightly)
A special Halloween show performed evenings based on Bram Stoker’s 1897 gothic horror novel Dracula. One of Dracula’s most mysterious powers is the ability to turn others into vampires by biting them. Count Dracula is an undead, centuries-old vampire, and a Transylvanian nobleman. He inhabits a decaying castle in the Carpathian Mountains near the Borgo Pass. Dracula is handsome and charismatic, with a veneer of aristocratic charm. He infiltrates London to begin his reign of terror. He summons Jonathan Harker, a newly qualified English solicitor, to provide legal support for a real estate transaction. Soon the Count begins menacing Harker’s fiancée, Wilhelmina “Mina” Murray, and her friend, Lucy Westenra. Other fascinating characters include Renfield, a patient in an insane asylum, and the Dutch doctor Abraham Van Helsing.

The Best Christmas Pageant Ever | 11/23/19 – 12/28/19
The Herdman kids are a rough and tumble bunch who create mayhem wherever they go. Cast in the church’s annual Christmas pageant, they bring their own unique interpretation to the familiar events. Remarkably, they help everyone rediscover its true meaning. The Seattle Times calls it “One of the best Christmas stories ever - and certainly one of the funniest.” Adapted by Barbara Robinson from her book of the same name, a favorite of young readers since 1972.

The Toughest Kid in the World | 1/28/20 – 2/1/20
This musical play uses humor, songs and lively action to explore the difficult subject of violence and bullying in modern American society. A boy named TK—short for Tough Kid—learns a new meaning of the word “tough” in his encounters with his family, his friends, his neighborhood and today's world.
**Miss Nelson is Missing | 2/15/20 – 2/29/20**

Miss Nelson’s class is the worst behaved in the whole school. Spitballs flying across the room, paper airplanes sailing every which way and uncontrollable children send the gentle, long-suffering teacher, Miss Nelson, over the edge. But the students of Room 207 are in for a surprise when Miss Nelson turns up missing and is replaced by Viola Swamp, a scary substitute teacher who assigns homework from hell and wields her ruler like a sword! In desperation, the students set out to find their beloved Miss Nelson ... but will they ever get her back? Lessons of appreciation and respect.

**Diary of a Worm, a Spider, and a Fly | 3/4/20 – 3/21/20**

Is Spider getting too big for his own skin? Will Fly find her superhero powers in time to save her Aunt Rita from peril? Will Worm learn to stand on his own two feet...even though he doesn’t have feet? We invite you to take a look at the world from a bug’s perspective. Perhaps you’ll see that their lives are not all that different from yours. This extremely entertaining musical captures all of the droll humor and whimsy of the wildly popular books.

**Peter Rabbit, the Musical | 3/31/20 – 5/9/20**

In this Theatre for Young America original musical, Peter Rabbit’s three big sisters are aspiring artists who don’t have time for the boisterous antics of little brother Peter. Flopsy is an opera singer, Mopsy is a painter, and Cottontail is a dancer. While his sisters pursue the finer things in life Peter sneaks off to Mr. McGregor’s garden and gets himself in a heap of trouble.

**Ella Enchanted | 6/16/20 – 7/4/20**

Based on the book by Gail Carson Levine, this exciting new musical fairy tale created by First Stage theatre in Milwaukee follows the strong-willed Ella Frell as she navigates her personal destiny in a world of dramatic and humorous challenges. The music is exciting and extremely clever, and the story is timeless and wise.

**Tom Sawyer | 7/15/20 – 7/24/20**

A musical comedy based on Mark Twain’s classic novel of American childhood in the 19th Century, this show has all the favorite characters and incidents from the beloved book, including the famous fence whitewashing scene and the hilarious trip to the cemetery. All is set to lively music and dance numbers with a distinctly Americana flavor.
Scavenger hunts are a great way to enhance your Union Station and Science City visit. Choose from one of the three available options below. Scavenger hunts can be scheduled between during normal business hours, pending availability.

**Science City Scavenger Hunt**
Delve into the depths of scientific discovery. This informative, yet compelling hunt will guide your team through Science City’s vast cityscape and its distinctive themed areas. As you gather scientific knowledge and proof of your discoveries, your team will ultimately compete to be crowned winner and master of all things science!

**Touring Exhibition Scavenger Hunt**
A very unique, yet always educational option, scavenger hunts are available for all touring exhibitions. Please inquire for detailed information about our current exhibition.

**Union Station Scavenger Hunt**
Travel back through the last 100+ years of Union Station history as your team treks through one of Kansas City’s most iconic buildings. Your team will compete to scavenge the halls of Union Station and along the way you will examine the architecture, learn fascinating facts and uncover the mysteries of this storied structure.

**Walking Tours**
See Union Station through the eyes of those who witnessed and shaped its history. Go back in time to the Station’s glorious opening in 1914 and experience memorable events that have shaped this iconic building. Learn about the infamous gangster massacre, relive tearful farewells and reunions of both world wars and much more! Maximum of 20 individuals per tour.
Model Train Gallery
Enjoy 8,000 square feet of toy trains, from tiny N-scale model trains to the big G-scale giants of the model train world, sample the hobby and experience the fun of model railroading. The Model Rail Exhibit is designed, built and maintained by volunteers.

Building a Monument Exhibit
This new exhibit tells the story of building Union Station and how it came to be a historic monument in Kansas City, and a key transportation hub for The United States.

Union Station Stories Exhibit
Relive 100 years of fascinating Union Station history in this brand new exhibit located on four floors. Explore this permanent exhibit that exquisitely captures the rich and diverse cultural history of the station through significant stories and beautiful artifacts.