Herrett Center for Arts & Science

EDUCATORS’ GUIDE

2019-2020

WHAT’S NEW?
LOOK INSIDE FOR:
Museum & Observatory Programs
Planetarium Shows

herrett.csi.edu
Dear Educators,

The 2019-2020 Educators’ Guide is packed full of exciting opportunities for you and your students. Come to the Herrett Center to learn and engage with our museum galleries, Faulkner Planetarium, and Centennial Observatory.

In this guide, you will find listings of the many programs that the Herrett Center has to offer schools, information on how to schedule class visits, and tips for how to get the most out of your trip to the Herrett Center.

The Education team at the Herrett Center is always willing to work with you to find the program that is the best fit for your students and curriculum. Our mission is to create meaningful, engaging experiences, and we can’t wait to see you and your class at the museum!

All the best,
Kindy Combe,
Education Coordinator
Scheduling Your Visit:

All group visits must be scheduled in advance, including self-guided visits to the galleries. At the time that you schedule your visit, please notify us of any special needs within your group so that we can best accommodate you.

To schedule your visit, please contact the Events and Academic Coordinator:
(208) 732-6657 or HerrettEd@csi.edu

We will work as best as we can to schedule your desired program time. It is best to schedule your visit at least one month in advance so that we can best fit you in around other school groups, public events, and private meetings.

Be sure to mention any time restrictions that you might have (i.e. bus schedule issues, need to cut programs short, etc.) at the time that your visit is booked.

Program Fees:

<table>
<thead>
<tr>
<th>Program</th>
<th>Price per person*</th>
<th>Minimum charge†</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planetarium Show</td>
<td>$3.00</td>
<td>$75.00</td>
</tr>
<tr>
<td>Planetarium Double Feature (Two shows)</td>
<td>$5.00</td>
<td>$125.00</td>
</tr>
<tr>
<td>Education or Observatory Program</td>
<td>$2.00</td>
<td>$20.00</td>
</tr>
<tr>
<td>Nighttime Observatory Program (After regular museum hours)</td>
<td>$3.00</td>
<td>$75.00</td>
</tr>
<tr>
<td>Explore Herrett Package (Must meet 25 person minimum to get discount; Three programs of your choice, one planetarium show max; Excludes after-hours)</td>
<td>$6.00</td>
<td>$150.00</td>
</tr>
<tr>
<td>Scavenger Hunt</td>
<td>$1.00</td>
<td>N/A</td>
</tr>
<tr>
<td>Story Time</td>
<td>N/A</td>
<td>$15</td>
</tr>
</tbody>
</table>

*Please be aware that all chaperones and teachers are charged for programs.
†Minimum charge for the planetarium is based on 25 attendees, for the museum, reptiles, and observatory programs, 10 attendees. After hours observatory programs must have at least 25 attendees. If you have fewer than the minimum number in your group for the planetarium, we will attempt to pair you with other groups to meet the minimum number. Otherwise, you are responsible for the minimum charge.
Museum Education Programs:

All museum education programs are an hour long. See below for all of the options for Educator-led programs at the Herrett Center.

**Reptile Programs:**

Recommended for grades Pre-K and up

Come experience the Herrett Center’s most popular education program! Students will learn about the characteristics of reptiles and have the opportunity to meet some of the Herrett Center’s snakes and lizards in person! Reptile programs are a great addition to your biology or life science curriculum.

*Because of class size and time restrictions, students may not have the opportunity to touch or handle reptiles.

**Pre-K and Kindergarten Reptile Programs:**

If you are looking for a fun, educational trip for your early childhood classroom, give the Herrett Center a try. The education team has developed an interactive, sensory, and movement-based program for students in preschool, pre-K and kindergarten. Children will discuss colors and patterns while looking at live snakes and lizards.

**Hunting and Gathering in Idaho**

Recommended for grades 3 and up

What did pre-historic and historic Idahoans eat, and how did they obtain their food? Explore the cultures of Idaho’s native peoples by discovering what they ate! Examine preserved food items and tools used in hunting and gathering foodstuffs. This program is a fantastic supplement for students learning about Idaho history in their classrooms.
Scavenger Hunts:

At the Herrett Center for Arts & Science, students can find a host of items in the galleries to capture their attention and imagination. Age-appropriate scavenger hunts will help students explore the museum and find out more about items in our exhibits. Schools are welcome to add a scavenger hunt to their scheduled gallery time.

Schools that request a scavenger hunt will be provided with the following for each person: a clipboard (to be turned into the Educator upon completion), a black and white copy of the chosen scavenger hunt, and a Herrett Center pencil to take home. Scavenger hunts are designed to take up to 30 minutes to complete. The Herrett Center can accommodate up to 80 people participating in a scavenger at a time. Groups of more than 80 people can be accommodated with additional planning with our Events & Academic Coordinator.

Museum Madness

Recommended for grades Pre-K and up

Take the opportunity to get to know the different museum galleries better! This scavenger hunt allows participants to have fun exploring all of the museum’s permanent galleries. Educators can pick the Museum Madness scavenger hunt that best fits their students’ grade level:

- Pre-K – 2nd
- 3rd and up

Creeping for Critters

Recommended for grades Pre-K and up

Creep through the museum and search for critters big and small! Participants will be able to search through the museum’s permanent galleries for creatures on display. Educators can choose the Creeping for Critters scavenger hunt that best fits their students’ grade level:

- Pre-K – 2nd
- 3rd and up

North American Natives

Recommended for grades 3 and up

Take a fun, more in-depth look at the Native Americans living in the Great Plains and Great Basin areas with this scavenger hunt for our Native American Fishing and Tatanka Maka exhibits. *We recommend no more than 30 students participating in this scavenger hunt at one time.*

*Short on funds for your field trip? Talk to our Events & Academic Coordinator about how your students can do one of our scavenger hunts at no charge.*
Story Time:
Recommended Grades Preschool and Kindergarten

Enjoy a story read by our educator, along with a short activity! This program is designed to be 30-45 minutes and for groups of no more than 30 students. This program has a flat rate of $15.

How the Meteorite Got to the Museum
Written & Illustrated by Jessie Hartland

Employing the cumulative narrative style, Hartland explains how the Peekskill Meteorite traveled from space to Earth, eventually finding a permanent place in the American Museum of Natural History in New York City.

After the story, students will get a chance to hold a real meteorite and make their own cocoa craters.

I’m Trying to Love Spiders
Written & Illustrated by Bethany Barton

So many people are terrified of spiders, but in this fun, interactive book readers will learn interesting facts about spiders as they work to overcome their fear along with the narrator.

After the story, students will get a chance to observe a spider in its habitat and make a web in a lacing activity.

*Teachers, please choose Uppercase/Lowercase ABC’s Matching activity or Rhyming Words Matching activity when booking this story.
This school year, the Faulkner Planetarium, with Digistar 5 Technology, is happy to announce EIGHT new shows available for visiting school groups. Read more about them below!

**Beyond the Sun: In Search of a new Earth**

*The show is available in Spanish, movie portion only. Request Mas alla del Sol: En busca de una nueva Tierra.*

Recommended Grades 3 – 5

Celeste is a curious girl, and with the help of her new friend Moon, she is about to learn about exoplanets; planets that orbit other stars. Moon not only teaches her about exoplanets but also how astronomers can detect these planets as well as their size and the possible conditions of the planets. Moon is also happy to explain to Celeste what a planet must be like in order for it to have the possibility of life.

A live interactive presentation covering light pollution, the locations of planetary systems in the current night sky, an in-depth explanation of the transit and radial velocity detection methods, and a short tour of the current night sky follow the movie portion of the presentation.

Concepts: Brief overview of solar system; other stars have planets; transit method of planetary detection; radial velocity method of planetary detection; conditions on other planets; requirements for life; light pollution; search for planets that are Earth like.

*An education guide with classroom activities is available for this program upon request.*

**Birth of Planet Earth**

*Available beginning January 1, 2020*

Recommended Grades 4 - 12+

The Solar System’s formation from a huge cloud of gas and dust is tough for students to visualize. This show does an incredible job of explaining and depicting how the Earth was born. See the solar nebula collapse, countless dust particles clump into larger bodies, and impacts of asteroids form protoplanets. Observe the Earth-Theia collision that formed the Moon. Four and a half billion years roll by as today’s solar system comes into being and students gain an understanding of how our Earth formed.

Concepts: Supernova synthesis of heavy elements; solar nebula; protoplanetary disc environment; planetary formation; characteristics of early Earth; formation of the Moon; Moon’s stabilizing effects on Earth; asteroid bombardment period; evolution to a watery world; atmospheric development; rise of life; life’s chemistry (photosynthesis).

**Planetarium shows:**

New!

This school year, the Faulkner Planetarium, with Digistar 5 Technology, is happy to announce EIGHT new shows available for visiting school groups. Read more about them below!
CAPCOM GO! The Apollo Story/Live Sky Tour  
Recommended Grades: 3 – 12+

On July 20, 1969, Neil Armstrong and Buzz Aldrin landed on the Moon, the culmination of nearly a decade of efforts by thousands of people working for NASA and private contractors. It was an incredible accomplishment and NASA would go on to land five more sets of astronauts on the Moon, the last in December of 1972. This immersive, historical documentary highlights the achievements of the Apollo program.

Concepts: History of Apollo program; cold war space race; navigational challenges in space; lunar surface conditions; Apollo spacecraft configuration; progression of skills/knowledge to get to the Moon; teamwork of scientists, engineers, and mathematicians; progression of Apollo missions; living/working in space; need for future STEM professionals.

Extreme Weather  
Available beginning January 1, 2020  
Recommended Grades 3 - 12+

Extreme weather, driven by the changing climate, gives rise to powerful hurricanes, torrential downpours, and drought, resulting in natural disasters. National Geographic brings you face to face with Mother Nature at her most dangerous in this film. Experience the action of massive chunks of ice shearing off of a melting glacier in Alaska, deadly tornadoes in the Midwest, and wildfires raging in drought-ravaged California and the surprising links between these three areas.

Concepts: Climate change; global warming’s effect on weather; glacier retreat; oceans as the engines of global weather; tornado development; drought induced wildfire; sea level rise; interconnectivity of systems that shape global climate, regional weather, and extreme weather.

Faster Than Light: The Dream of Interstellar Flight/Live Sky Tour  
Recommended Grades 4 - 12+

Scientists believe solar systems fill our galaxy, including up to nine billion Sun-like stars with Earth-like planets. Astronomers are now racing to find habitable worlds, including any that might exist in the neighborhood of our Sun. Take a virtual ride aboard spacecraft of the future, based on new technologies designed to achieve ultra-high speeds, using exotic fuels and breakthrough concepts in physics. How far can our technology take us?

Concepts: Space exploration and its challenges; distances in space; interstellar neighborhood; nature of Proxima Centauri’s planet; inefficiencies of chemical rockets; gravitational slingshot; space propulsion/spacecraft technologies (nuclear fission and fusion, lasers, antimatter, warp drive); future exploration of exoplanets.
Mars One Thousand One
Recommended Grades 3 - 12+

Enjoy this fun, fictional depiction of a future mission of an international crew of astronauts as they embark on the first manned mission to the surface of Mars. Witness firsthand their brave attempts to put human footprints on Mars and return safely to Earth. The journey, made possible through the biggest engineering feat ever, is fraught with dangers, loaded with scientific experiments, and may determine if humankind has a future among the stars. What dangers and wonders lurk on the red dusty plains of Mars?

Concepts: Human space exploration; space environment/weather; interplanetary navigation; nature of the Martian environment; long-term human survival in space.

The Sun: Our Living Star/Live Sky Tour
Recommended Grades 4 - 12+

The Sun has shone on our world for four and a half billion years, the source of the energy that drives the winds, our weather, and all life. The passage of the Sun’s fiery disc across the sky – day by day, month by month – is the way civilization tracks time. Although it is a typical dwarf star, the Sun consumes 600 million tons of hydrogen each second and is 500 times as massive as all the planets combined. Discover the secrets of our star and experience never-before-seen images of the Sun’s violent surface in an immersive format.

Concepts: Sun’s birth and age, use for tracking time, apparent motions, physical structure and properties, and ties to Earth’s weather; source of Earth’s energy; life’s dependence on the Sun; photosynthesis; heliocentric model of solar system; comparison to other stars; nuclear fusion; remote observations; electromagnetic spectrum; space weather; renewable energy.

Volcanoes: The Fires of Creation
Available beginning January 1, 2020
Recommended Grades 3 - 12+

Volcanic eruptions are rare, dangerous—and alluring. Witness the crucial role volcanoes played in the incredible birth of our planet. Join National Geographic photographer Carsten Peter’s quest to see volcanoes from the inside as he braves Kilauea’s churning lava lake and fire fountains. You may never get as close to an active volcano as Carsten does, but you can go there from the safety of your planetarium seat.

Concepts: Impact hypothesis of Earth’s and Moon’s formation; volcanoes’ role in shaping Earth; plate tectonics; creation of Earth’s atmosphere and oceans via outgassing; submarine volcanoes; dynamics of volcanic eruptions; benefits of ash to ecosystems; dangers posed by volcanoes.
Planetarium Favorites:

Many of these shows are accompanied by a Live Sky Tour, an interactive tour of the night sky. Students will learn about constellations and asterisms that they can see right from their own backyards!

The Accidental Astronauts
Recommended for grades 1-2

Follow the adventures of Cy, Annie and Armstrong, Cy’s dog, as they embark upon an unexpected journey into space! This wonderful Earth, Sun and Moon adventure show is written by award-winning children’s book writer Kristyn Crow.

Concepts: Earth’s rotation and orbit, moon’s orbit, phases of the moon, geography of the moon, lunar environment, physical nature of the sun, and the uniqueness of the Earth

Astronaut / Live Sky Tour
Recommended for grades 4-12+

What does it take to become an astronaut? Your students will find out by experiencing a rocket launch from inside an astronaut's body. Explore both inner and outer space in this exciting show.

Concepts: Human biology, space environment, effects of space environment on the body

Back to the Moon for Good
Recommended for grades 4-12+

Over 40 years ago mankind left the Moon. Now a new generation of engineers and scientists are dreaming of a return to the Moon and competing to win Google’s $20 million first place Lunar XPRIZE. This show traces the history of mankind’s lunar exploration and looks at what it takes to get to the Moon.

Concepts: STEM, manned and robotic space exploration, Earth/Moon relationship, lunar environment/composition, orbital dynamics, trajectories, spacecraft design
Black Holes: The Other Side of Infinity / Live Sky Tour
Recommended for grades: 6-12+
Visit a place from which nothing—not even light—escapes: black holes. Zip through other-worldly wormholes, experience the creation of the Milky Way Galaxy, and witness the violent death of a star and subsequent birth of a black hole.
Concepts: Formation of the universe/big bang, galactic formation, stellar birth and death, nuclear fusion, supernovae, galactic collisions, formation of stellar and galactic black holes, nature of gravity, space/time, and event horizon

Cell, Cell, Cell
Recommended for grades 5-8
Join Raj and Sooki’s ex-CELL-ent adventure as they explore the microscopic cells that make up all of us. Explore the human cell from within. Students will learn about the various parts of the cell and their functions; genetics, including egg fertilization and the genes that go into making each one of us unique; and the specialization of cells.
This program is followed by an interactive education module that delves deeper into cellular biology.
Concepts: Cell structure, DNA, genes, fertilization, stem cells, fetal cellular development, and cellular systems

Cosmic Colors: An Adventure Along the Spectrum / Live Sky Tour or Solar Quest
This program can be paired with either a live sky tour or the short program Solar Quest. Please make your choice when you schedule your program.
Recommended for grades 5-12+
The universe is awash in radio waves, infrared light, visible light, ultraviolet light, microwaves, x-rays, and gamma rays pouring forth from various celestial objects. Learn about the electromagnetic spectrum and common, everyday application of these forms of energy in this fast-paced adventure.
Concepts: Electromagnetic spectrum, visible light, infrared, radio waves, ultraviolet, gamma rays, wavelengths, color, and the speed of light
**Dinosaurs at Dusk – the Origins of Flight**

The show is available in Spanish, movie portion only. Request Dinosaurios al Atardecer: los orígenes del vuelo.”

Recommended Grades 2-12+

Take a fantasy trip back to the Mesozoic era with Lucy and her father as they search for the ancestors of modern-day birds. Exploring the origins of flight, they navigate from continent to continent venturing through the Triassic, Jurassic and Cretaceous periods observing the evolution of pterosaurs. In a race against time, they paraglide through ancient skies with Quetzalcoatlus, flee from raptors and traverse deserts with Argentinosaurus. As their time finally runs out, they experience first-hand the cataclysmic “final day” of the dinosaurs. Danger lurks all around, but the creatures are fascinating and adventure awaits.

Concepts: Continental drift, proper motion of stars, asteroids and impacts, mass extinctions, convergent development of flight amongst species

**Dream To Fly**

Recommended for grades 4-12+

Have you ever had a dream that you were flying? Explore humankind’s quest for flight from the ancient myths of Aladdin on his flying carpet and the kites of ancient China to Leonardo da Vinci’s scientific study of wings and the pioneers of actual flight. Learn how history also shaped the early days of powered aviation with the advent of world wars. This poetic and visually stunning show takes you on a journey from the time when humans could only dream of flying to our modern day world where all one needs to fly is a ticket.

Concepts: Flight in mythology, history of flight/aviation, principles of flight (drag, lift and propulsion), pioneers of flight and aviation: Sir George Cayley, Montgolfier brothers, Otto Lilienthal, the Wright brothers

**Dynamic Earth: Exploring Earth’s Climate Engine / Live Sky Tour or Solar Quest**

This program can be paired with either a live sky tour or the short program Solar Quest. Please make your choice when you schedule your program. The show is available in Spanish, movie portion only. Request Tierra dinamica.

Recommended for grades 6-12+

What makes Earth so conducive to life? What drives the engine of weather and climate on our planet? Follow the energy trail from the Sun to Earth and learn about the interwoven systems of atmosphere, oceans, and the biosphere. Explore the winds, oceans, and forces of nature that shape Earth and our global climate system.

Concepts: Earth’s climate, interconnectivity of systems, solar energy, greenhouse effect and gases, wind and ocean currents, weather, carbon cycle, oceanic food chain, volcanism, and anthropologic global warming
Earth, Moon & Sun / Live Sky Tour
Recommended for grades 3-6

Coyote has a razor-sharp wit and thinks he knows a lot about the sky. As it turns out, he’s a little confused. Coyote, adapted from an American Indian oral tradition, gets set straight about his many misconceptions about lunar phases, eclipses and other puzzles of the sky. This is a great program to reinforce students' understanding of the Sun, Moon, and stars.

Concepts: Physical nature of the Sun and Moon, rotation, revolution, lunar phases, lunar and solar eclipses, manned exploration of the moon, and Native American sky lore

Legends of the Night Sky: Orion/Live Sky Tour
Recommended between January and mid-April
Recommended Grades K - 5

The legend of Orion, the mighty hunter, comes to life! From his humble beginnings in the faraway land of Thrace, to his daring hunting exploits, and romances, on the islands of Chios and Crete, Orion and his faithful hunting dogs, Sirius and Procyon, move from adventure to adventure. Eventually, having earned the scorn of Apollo, Orion battles Scorpius, the scorpion, in a fight to the death. Discover how, upon Orion’s demise, he was placed into the heavens for all of us to see in the winter, right there with his two faithful companions.

Concepts: Greek mythology, constellations, star gazing, and star hopping.

Legends of the Night Sky: Perseus and Andromeda/Live Sky Tour
Recommended between October and mid-February
Recommended Grades K - 5

It is the classic Greek story of the princess and her hero come to life! Poor Andromeda is being sacrificed to the sea monster Cetus for the sins of her mother, Cassiopeia. Just what lead to this calamity? Where is her father, Cepheus, in all this? It all sounds so terrible; she needs a hero. Never fear for Perseus is almost here! First, Perseus must deal with the Gorgon, Medusa, and then he will deal with Andromeda’s situation. Will the story end happily? Join us to find out.

Concepts: Greek mythology, constellations, star gazing, and star hopping.
The Little Star That Could
Recommended Grades K-2

Poor Little Star, he is new to the universe and he just wants to see what else is out there. He seems to be just an average star, and, judging by the reactions of the other stars he meets, he is never going to be anything special. If only he could get himself some planets to make him special and give him a name. On his journey of discovery, Little Star learns what makes each star special. For some, it is their color and temperature, for others it may be their planets, and for others it is their stellar companions. Along the way, he discovers that stars can combine to form larger groups, like star clusters and galaxies. Eventually, Little Star finds his planets who tell them a little about themselves and give him his special name, the Sun.

Concepts: Star formation, star colors and temperatures, multiple star systems, star clusters, galaxies, solar systems, planets, and basic information about the planets of our solar system.

One World, One Sky: Big Bird’s Adventure
Recommended for grades PreK-1

Join Sesame Street’s Big Bird, Elmo, and Elmo’s friend from faraway China, Hu Hu Zhu, as they learn about the sky in this fun adventure. The three friends learn about sunsets and finding starry patterns like the Big Dipper in the night sky. Students are encouraged to use their imaginations and actively participate in this program.

Concepts: The Sun is a star, day and night, star patterns like the Big Dipper, the Moon, physical characteristics of the Moon, faraway places, and using one’s imagination.

Perfect Little Planet
Recommended for grades 1-3

Discover our solar system through a new set of eyes—those of a family from another solar system seeking the perfect vacation spot. Fly over the icy surface of dwarf planet Pluto, sail through the rings of Saturn, brave Jupiter’s raging lightning storms, and kick up some red dust on Mars. With the best vacation spots in the solar system to choose from, where would your students visit?

Concepts: Solar system, sun, planets, moons, asteroids, comets, gas giants, rocky midgets, icy dwarfs, physical nature of the sun and eight planets, rings, atmospheres, and life forms of Earth.
Phantom of the Universe: The Hunt for Dark Matter/Live Sky Tour
Recommended Grades 5 - 12+

Just imagine; what we call normal matter only makes up five percent of the universe. Another twenty seven percent of the universe is made of mysterious dark matter. Hints of its effects on the matter we can see have been around for a century, yet the true nature of dark matter continues to elude us. Journey from mountaintop observatories to subterranean atom smashers and particle detectors with scientists hot on the trail of the invisible stuff that shapes galaxies.

Concepts: Birth of the universe; atomic and subatomic particles; structure of the universe (galaxies and galaxy clusters); Newton’s Law of Gravitation; evidence for and nature of dark matter; search for dark matter with the Large Hadron Collider; proton-proton collisions; new theories of elementary particles.

Planet Nine/Live Sky Tour
Recommended Grades 6-12+

Dr. Mike “Pluto Killer” Brown is leading the search for a giant, yet elusive planet that may be lurking in the outer fringes of the solar system. Responsible for discovering Eris—the Kuiper Belt object more massive than Pluto—and subsequently contributing to the demotion of Pluto from planetary status, Mike and his team believe they have evidence for a true ninth planet that is shaping the outermost KBOs’ orbits. This engaging program explores the true nature of solar system research and discovery. What is the evidence for this purported planet? How are astronomers hunting for it? What is the status of the search for Planet Nine? The answers await your discovery.

Concepts: Brief overview of Pluto system and orbit, telescopic detection/searches for previously unknown solar system bodies, discovery of Eris, nature of Kuiper belt and the KBOs found within it; including Eris, Makemake, Quaoar, Orcus, Vanth, Sedna and Haumea, orbital dynamics, computer simulations of solar system orbital dynamics, search for hypothesized “Planet Nine”

Secret Lives of Stars/Live Sky Tour
This show is only available until December 31, 2019
Recommended for grades 3-12+

We closely follow the news on the lives of Hollywood stars, but the real stars live their lives in the universe over millions to billions of years in anonymity. However, these stars all have stories to tell. What is a star and just what determines how long a star will live, what kind of life it will live and how it will die? Find out in this exposé that will reveal the amazing variety of stars and peer into their secret lives.

Concepts: Nature and physical characteristics of the sun and other stars; stellar formation, masses, life cycles and spectra; nebulae, binary stars, variable stars, star clusters, supernovae and neutron stars; nature of the Milky Way galaxy; the future of the Sun
Solar System Odyssey
Recommended for grades 4-6

Join former Space Fleet Command pilot Jack Larsen for a mission to find a suitable extraterrestrial location for human colonization. Along with a surprise stowaway, he embarks upon a wild ride through the solar system trying to answer these questions: How are the worlds of the solar system alike? How are they different? What features must a world possess for humans to live there?

This program is followed by a live interactive education module that further explores what humans need to survive away from Earth.

Concepts: Requirements for long-term human survival away from Earth, the solar system, physical nature of Titan, Calisto, Europa and Io, and the unique nature of the Earth as it pertains to life.

Two Small Pieces of Glass: The Amazing Telescope / Live Sky Tour or Solar Quest
This program can be paired with either a live sky tour or the short program Solar Quest. Please make your choice when you schedule your program.
Recommended for grades 5-12+

A little over 400 years ago, Galileo turned his crude "spy glass" telescope skyward. Four centuries later, the telescope has evolved into modern wonders of technology like the Hubble Space Telescope. Join two young astronomy enthusiasts and their astronomer friend as they explore the universe and learn why telescopes are such important tools of science.

Pair this show with an observatory program and look through our 24 inch telescope!

Concepts: Design and nature of telescopes, historical overview of astronomy, spectrum, optics

Violent Universe: Catastrophes of the Cosmos / Live Sky Tour
Recommended for grades 4-12+

Few things appear more peaceful than a quiet, starry sky. Yet terrific, unseen forces shape the cosmos. Galaxies collide, supernova explosions rip stars apart, black holes in the hearts of galaxies devour whole stars, and asteroids and comets streak past the Earth.

Concepts: Galactic collisions, galactic dust clouds, supernovae, black holes, meteor storms, meteor showers, comet/asteroid/planetary collisions, cratering, gamma ray bursts, and the Milky Way’s central black hole
**Seasonal shows:**

**Available November 31—December 20**

**Let It Snow!**
Recommended for grades Pre K-12+

It’s a holiday treat for the eyes and ears featuring festive full-dome video images choreographed to classic Christmas music. Enjoy seasonal tunes by Frank Sinatra, Chuck Berry, Burl Ives, Brenda Lee, and a finale by the Trans-Siberian Orchestra. This family-friendly audio-visual experience is a great seasonal show to reward your students for reaching classroom performance goals, or just for a fun field trip.

**The Star of Bethlehem**
Recommended for grades 3-12+

The age old mystery of the star of Bethlehem is explored in this Christmas planetarium program. Travel back in time to the Middle East and delve into the writings of the time, including scripture from the Bible, to search for clues to add to our modern scientific knowledge of the nature of the heavens above to see if there might be some natural explanation for the nature of the star. Can the star be explained naturally, or is the nature of the star left to the realm of the miraculous?

Concepts: Lunar eclipses, source of the modern calendar, comets, meteors, supernovae, planetary conjunctions, winter solstice and ancient perceptions of the nature and meaning of celestial objects and motions

*Note: This program has strong religious components.*
Observatory Programs:

Yes, our observatory is open in the daytime! The sun’s gaseous explosions and boiling surface can be viewed safely through our solar filters. Often the moon, stars, and the occasional planet can also be spied. Nothing makes the wonders of the universe more real for your students than seeing it with their own eyes!

The Herrett Center’s Centennial Observatory features:

- The Norman Herrett 24” (0.6m), computer-controlled reflector telescope, with full wheelchair access.
- Solar filtered telescopes for safe, close-up views of the sun.
- A 20’ (6 m) motorized dome.

Each observatory program is led by the Observatory Coordinator and includes:

- A presentation that introduces the different types of telescopes and what they can show us
- A tour of the Centennial Observatory to view through a variety of telescopes

After dark, lunar craters, star clusters, glowing clouds of gas, galaxies, multiple stars, colored stars, and more are within reach of the giant 24” telescope.

Daytime observatory tours are scheduled Tuesday-Friday, 8:30 a.m. to 3:30 p.m. and last approximately one hour (additional time may be required for larger groups). Nighttime tours are scheduled on an individual basis when the observatory is not open to the public. In the event of inclement weather, the observatory tour portion of the program will include a demonstration of the 24” telescope and dome’s operation, without actual viewing through the telescopes.
Getting Here

The Herrett Center is located on the College of Southern Idaho campus, just off of North College Road.

**From the north (I-84/HWY 93):** After crossing the Perrine Bridge, head south on Blue Lakes Boulevard for about one mile. Turn right onto North College Road (near Lowe’s and Tomato’s Italian Grill). After the light, bear left at the Y to stay on North College Road, then turn left onto CSI campus after you see the museum building with its dome.

**From the west/south (HWY 30/93):** Turn left off of Addison Avenue onto Washington Street North (near McDonald’s and Swensen’s). Drive north for 1.5 miles, then turn right onto North College Road. Travel east for about half a mile, then turn right onto CSI campus.

Want to see if some of your transportation costs can be reimbursed by the State Department of Education? Check out their website to see if your field trip transportation costs qualify at:

Things to know before your visit:

Arrivals and departures

- Plan to arrive at least 15 minutes* before your program’s scheduled start time. This allows time for unloading buses, paying for your program, using the drinking fountain, and using the restrooms.
- For pick-ups and drop-offs, a bus turnout is located at the end of the sidewalk near the front entrance to the center.
- After unloading, please park buses in the public parking areas southwest of the building. On busy occasions, buses may need to find space just east of the Herrett Center near the Expo building. Parking is free.

*Large groups will need to arrive 30 minutes before the scheduled start time. Please speak with the Events & Academic Coordinator to help determine how early your group will need to arrive before your program starts.

Lunch areas

The Herrett Center does not have sheltered picnic areas. You are welcome to eat your lunches outside on the CSI grounds or nearby picnic areas (see map on previous page). During inclement weather, it may be possible for students to have lunch in the in the Rick Allen Room at the Herrett Center. This room cannot be reserved and is subject to availability. Please speak to the Events and Academic Coordinator about use of this room.

Gift Shop

The Herrett Center Store is open during regular business hours. If you and your students would like to shop, we encourage you to do so. We recommend that no more than 15-20 students are in the store at once and that they are accompanied by at least one chaperone. Teachers receive a 20% discount on items that will be used in their classroom! (Some items may be excluded.) The store makes a special effort to have affordable and educational items available for you and your students. By allowing your students to shop in the store, you are helping to support our educational programs. Our staff is always happy to assist you in making this an enjoyable experience for both students and teachers. Please let us know in advance if you plan to allow your group to shop.

The Herrett Center for Arts and Science recommends that teachers or parents preview shows and exhibits prior to bringing younger visitors to the Center. Images and concepts seen in shows and exhibitions at the Herrett Center may not necessarily reflect the official views of the Herrett Center or the College of Southern Idaho.
About your visit:

Scheduling and confirmation:

- Please try to schedule your visit at least one month in advance, especially during busy times of year such as April and May.
- Provide the Events and Academic Coordinator with as many details about your group as possible to ensure that you have the best visit possible, i.e. students’ special needs, time constraints, expected time in the galleries/shop.
- You will receive a confirmation email with your customized trip details before your visit. If you have not received the email one week prior to your scheduled visit, please contact the Events and Academic Coordinator.
- Please arrive with a final headcount of both students and chaperones to provide to the front desk upon check-in.

Cancellations:

- Please contact the Events and Academic Coordinator at your earliest convenience if you need to cancel your visit. We will try to reschedule your group, but we cannot guarantee dates or times.
- If a portion of your program must be canceled because of equipment failure, or other reasons, your admission fees may be partially or entirely refunded.

Contact information:

Events and Academic Coordinator: (208) 732-6657
Education Coordinator: (208) 732-6664
Herrett Center Front Desk: (208) 732-6655
Herrett Center Fax: (208) 736-4712
Observatory Information: (208) 732-6666
Observatory Coordinator: (208) 732-6663
Planetarium Manager: (208) 732-6659
CSI Switchboard: (208) 733-9554
Tips for a great visit:

Before you arrive:

- Preview museum exhibits and programs to make sure that content is appropriate for your group.
- Assign one adult chaperone for each 10 students. We reserve the right the refuse admittance to groups who are do not have adequate supervision.
- Chaperones are to stay with their assigned groups at all times, especially in the gift shop.
- Please notify chaperones of their responsibilities in advance.
- Plan to arrive at least 15 minutes* before your first scheduled program to facilitate check-in, payment, and restroom use.

*Large groups will need to arrive 30 minutes before the scheduled start time. Please speak with the Events & Academic Coordinator to help determine how early your group will need to arrive before your program starts.

Inside the center:

- Check in at the lobby desk and pay for your entire group with one payment.
- Please be prompt. Late arrivals may not receive their scheduled program.
- Upon arrival, have students quietly use the restrooms and drinking fountains; a typical class of 30 students will need 5-10 minutes to use the facilities.
- We welcome cameras, but there may be restrictions in some areas.
- Please turn off all cell phones while inside the Herrett Center.
- No gum, food, or drinks are allowed inside the museum.

In the Faulkner Planetarium:

- Do not exceed your reservation number without notification; other groups may be scheduled to share the theater with you. Theater capacity is 144.
- Plan to arrive at least 15 minutes* before your scheduled show. Late arrivals may not be admitted into the theater.
- If anyone must leave during a planetarium show, there can be no re-admittance.
- Disruptive individuals may be asked to leave the theater.

*Large groups will need to arrive 30 minutes before the scheduled start time. Please speak with the Events & Academic Coordinator to help determine how early your group will need to arrive before your program starts.

In the Centennial Observatory:

- The observatory is not heated in order to minimize thermal distortion of telescope views. Observatory visitors should dress for outside temperatures.

Please advise all chaperones of these policies, especially those bringing infants.