



THE HUMMEL PLANETARIUM EXPERIENCE

About us:

The Arnim D. Hummel Planetarium has been nestled on the south side of Eastern Kentucky University's campus since 1988. This year marks 30 years that we have provided informal science education programs to ECU students, P-12 students, as well as the community. The main theme of our programs are seated in the fields of physics and astronomy, but recent programs have explored a myriad of STEM related topics through engaging hands on experiences.

Who can visit and when?

We are open to the public during select weekday afternoons and evenings as well as most Saturdays throughout the year. The public show schedule is pre-set, and the programs serve audiences from preschool age and up. We also welcome private reservations for groups of ten or more Mondays through Saturdays during times outside of any scheduled public events. Examples of groups who reserve a spot include school field trips, church groups, summer camps, after school programs, and many more. When booking a private reservation, your group may choose which show to watch and request to complete a hands on activity following your show, which will incur an additional fee per participant.

What happens during a visit?

Most visits to the Planetarium involve viewing a pre-recorded show which is immediately followed by a live Star Talk presentation inside of the theater. A planetarium theater is unique because the viewing area is rounded into the shape of a dome instead of a flat, two-dimensional screen. The third dimension enables you, the viewer to become immersed in the scenes displayed on the dome. A list of the pre-recorded we offer is found on the next page. Each show description also includes reference to Kentucky's Next Generation Science Standards. Once finished in the theater, you are welcome to visit the Space Shop where there are many fun and unique items available for purchase.

How much does a visit cost?

Admission rates to public experiences:

- >Adults: \$6,
- >Kids 4 years+, Seniors, Military: \$5
- >Kids 3 and under: Free
- >Pricing for special events varies

Group reservation rates:

- >10 or more paying people: \$4.50 each
- >Schools receive 1 teacher free per 10 students
- >Additional fees will be incurred for activities

Contact information:

Office hours: Monday-Friday, 8:00-4:30

Phone: 859-622-1547

Email: hummelplanetarium@eku.edu

Web: planetarium.eku.edu

Reservations can be taken over the phone or made online.

Follow us on social media to keep up with current events, schedules, and special activities.



@ekuplanetarium





**HUMMEL
PLANETARIUM**
Eastern Kentucky University

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Explore the night sky with your favorite friends from Sesame Street in Big Bird's Adventure: One World, One Sky.
K: PS3.B, ETS1.A
Show length: 30 minutes.
Suggested audience: preschool and kindergarten



Dark is a program that explains and explores the nature of Dark Matter, the missing 80% of the mass of the Universe.
MS: PS2.A-B, ESS1.A-B; HS: ESS1.A-B, PS4.B
Show length: 20 minutes.
Suggested audience: middle school through high school



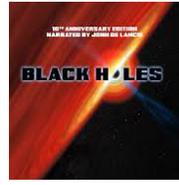
Imagine the ultimate space vacation! You will follow a family from another star system seeking the perfect vacation spot. Will they find the Perfect Little Planet?
K: PS3.B, ETS1.A; 1st: ESS1.A, ESS1.B; 2nd: ESS1.C, ESS2.A, ETS1.C
Show length: 40 minutes.
Suggested audience: kindergarten through second grade



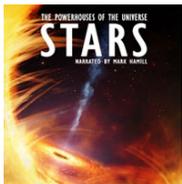
Life: It's a journey from the microscopic view inside a plant cell to the vastness of our universe populated by billions of galaxies swirling in space.
3rd: LS1.B, LS4.B; 4th: ESS1.C; 5th: ESS2.A, ESS3.C; MS: LS1.A; HS: LS4.C
Show length: 26 minutes.
Suggested audience: third grade through high school



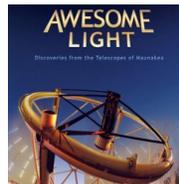
Big takes the audience on an immersive journey to the far reaches of the universe that we are currently able to observe.
5th: PS2.B, ESS1.A-B; MS: ESS1.A-B; HS: ESS1.A-B
Show length: 23 minutes.
Suggested audience: fifth grade through high school



Black Holes takes you on a journey through one of the most mystifying, awe-inspiring phenomena in the universe: a black hole.
MS: PS2.A-B, PS3.A-C, PS4.B; HS: PS4.A-C, ESS1.A-B, PS3.D, PS4.B
Show length: 40 minutes.
Suggested audience: middle school through high school



This show focuses on the lives of stars, how they are born, how they die, and how human understanding of the Stars has changed over time.
5th: PS2.B, ESS1.A-B; MS: ESS1.A-B; HS: ESS1.A-B
Show length: 25 minutes.
Suggested audience: fifth grade through high school



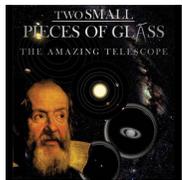
Awesome Light: Chase asteroids, discover hidden jewels in the Milky Way, watch supernovae, and share stories with the astronomers of tomorrow from the University of Hawaii
MS: PS2.A, PS4.A, ESS1.A-B, ESS3.C; HS: PS4.A-C, ESS1.A-B
Show length: 27 minutes.
Suggested audience: middle school through high school



To Space & Back is an extraordinary story of human ingenuity and incredible engineering, describing how the technology that transports us through space is paving the way for the devices and apps we use every day.
3rd: 3-ESS3-1; 4th: PS3.A-C, PS4.A, C; 5th: PS2.B, ESS1.A-B; MS: PS2.A-B, ESS1.A-B; HS: PS4.C, ESS1.A-B
Show length: 25 minutes.
Suggested audience: third grade through high school



Follow the adventures of Cy and Annie and their dog Armstrong as they embark on an unexpected journey into space! Explore the Earth, Sun and Moon system with a wise-cracking starship computer and gain a new appreciation of our home planet.
K: PS2A-C, ETS1.A; 1: PS4.C, ESS1A-B; 2: PS1A-B, ESS2.C, ETS1.C
Show length: 32 minutes
Suggested audience: first and second grades



Follow two students as they interact with a female astronomer at a local star party. Along the way, the students learn the history of the telescope from Galileo's modifications to a child's spyglass to the launch of the NASA/ESA Hubble Space Telescope and the future of Astronomy.
4: ETS1.A-B, 4-PS3-4, 4-ESS2-2, PS4.A; 5: ESS1.A-B, PS2.B, ETS1.C; MS: PS2.B, PS4.B; HS: PS3-3, ESS1A-B
Show length: 23 minutes
Suggested audience: fourth grade through high school



Coyote has a razor sharp wit, but he's a little confused about what he sees in the sky. Join this amusing character (adapted from Americal Indian oral traditions) in a fast-paced and fun full dome show that explores lunar phases, eclipses and other puzzles. Engaging and immersive, Earth, Moon & Sun also examines how humans learn through space exploration.
3: PS2.A, 3PS2-4, ESS3.B; 4: PS3.A-C; 5: PS2.B, ESS1A-B
Show length: 26 minutes
Suggested audience: third grade through fifth grade



Season of Light traces the history and development of many of the world's holiday customs, as well as the historical religious and cultural rituals practiced during the time of winter solstice. Audiences will learn a selection of Northern hemisphere winter constellations, and find out why we have seasons. The program explores the possible astronomical explanations for a "Star over Bethlehem" in the last quarter of the show.
Show length: 35 minutes
Suggested audience: third grade through high school

STAR TALK: On this fascinating journey, you will have the opportunity to view but certainly not be limited to the night sky from various locations on Earth, planets, constellations, and asterisms housed in our solar system, orbit paths of the planets, and the Milky Way galaxy. The length and content of your Star Talk will be adjusted based on grade level expectations. Also notable is the views of the sky change throughout the months and seasons, so each visit is unique! If you have requests for certain areas of study, please let your show facilitator know.

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