



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. Since then, 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 (seasonal) 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 Fridays during regular business hours. Examples of groups who reserve a spot include school field trips, homeschool groups, church groups, summer camps, and many more. When booking a private reservation, your group may choose which show to watch, and request a customized star talk, if needed.

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 shows 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 (4-17), ECU Staff/Students, Seniors, Military: \$5
- *Kids 3 and under: Free
- *Pricing for special events varies

Tax is charged on all admissions unless group is tax exempt.

Group reservation rates:

- *10 or more paying people: \$4.50 each
- *Schools receive 1 teacher free per 10 students

Contact information:

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

Phone: 859-622-1547

Email: hummelplanetarium@eku.edu

Web: planetarium.eku.edu

Address: 4440 Kit Carson, Richmond, KY 40475

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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One World, One Sky: Big Bird's Adventure

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

Suggested audience: Pre-K and K



Perfect Little Planet

Follow a family from another star system seeking the perfect vacation spot as they tour our solar system.

K: PS3.B, ETS1.A; 1st: ESS1.A, ESS1.B; 2nd: ESS1.C, ESS2.A, ETS1.C

Suggested audience: K through 2nd grade



the Accidental Astronauts: An Earth Sun Moon Adventure!

Follow Cy, Annie and their dog as they embark on an unexpected journey into space! Explore the Earth, Sun and Moon system and gain a new appreciation of our home planet.

K: PS2.A-C, ETS1.A; 1: PS4.C, ESS1.A-B; 2: PS1.A-B, ESS2.C. ETS1.C

Suggested audience: 1st and 2nd grades



Earth, Moon & Sun

Coyote is a little confused about what he sees in the sky. Join Coyote (adapted from American Indian oral traditions) and explore lunar phases, eclipses and other puzzles.

3:PS2.A, 3PS2-4, ESS3.B; 4: PS3.A-C; 5: PS2.B, ESS1.A-B

Suggested audience: 3rd grade through 5th grade



To Space & Back

Follow the story of how technology that transports us through space is paving the way for our every day life.

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

Suggested audience: 3rd grade through high school



LIFE: A Cosmic Story

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

Suggested audience: 3rd grade through high school



Season of Light

Trace the history & development of many of the world's holiday customs, and the historical religious and cultural rituals practiced during the time of winter solstice. Find out why we have seasons, and explore the possible astronomical explanations for a "Star over Bethlehem".

Suggested audience: 3rd grade through high school

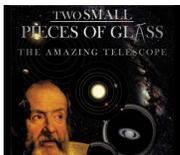


Habitat Earth

Living networks connect and support life forms large and small, from colonies of tiny microbes to expanding human societies. Discover what it means to live in today's connected world.

3rd: LS4.D; 4th: ESS2.E; 5th: LS2.A; MS: LS2.C; HS: LS4.D, ESS3.C

Suggested audience: 3rd grade through high school



Two Small Pieces of Glass: The Amazing Telescope

Follow two students and an astronomer as they 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.

4: PS3-4, PS4.A; 5:ESS1.A-B, PS2.B, MS: PS2.B, PS4.B; HS: PS3-3, ESS1.A-B

Suggested audience: 4th grade through high school



Earthquake: Evidence of a Restless Planet

See how subtle motions and sudden ruptures have shaped our planet and how geological activity influences human history.

4th: ESS1.C, ESS2.B, ESS3.B; MS: ESS2.B, ETS1.A, ETS1.B ; HS: ESS1.C, ESS2.B

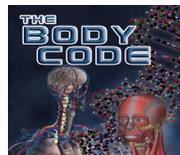
Suggested audience: 4th grade through high school



Saturn The Ring World

After nearly seven years in transit, Cassini-Huygens began orbiting Saturn. Cassini explored Saturn and its moons, while Huygens landed on Titan. Learn all about this journey in Saturn The Ring World.

Suggested audience: 4th grade through 8th grade



The Body Code

Explore the eye, brain, ear, and heart. Then, shrink into a cell to see its nucleus and DNA within. Discover how DNA programs the body's cells to form the circulatory and nervous systems.

4th: 4-LS1-1, 5th: 5-PS1-1, MS: MS-PS1-1, MS-LS1-3, HS: HS-ESS3-4, HS-LS1-1

Suggested audience: 4th grade through high school



STARS: The Powerhouses of the Universe

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

Suggested audience: 5th grade through high school

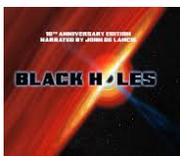


BIG

Take 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

Suggested audience: 5th grade through high school

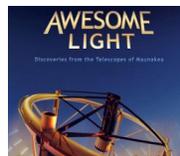


Black Holes

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

Suggested audience: middle school through high school



Awesome Light Episode 3: Chasing Celestial Mysteries

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

Suggested audience: middle school 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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