



MUSEUM OF
NATURAL HISTORY
AND PLANETARIUM
Roger Williams Park

From Earth to the Universe Full-Dome

A Pre-Visit Information Guide for Teachers

NGSS: MS-ESS1-1-3, HS-ESS1-1-4

ABOUT THE CORMACK PLANETARIUM

- The ASH Warped Media fulldome projector system surrounds audiences with 360-degree digital visuals on the dome.
- In a planetarium, objects in the universe are projected, as they exist at any time in space.
- These celestial objects are projected onto a dome-shaped ceiling so it appears that one is looking up into the night sky.
- Our Star Projector is capable of displaying images of over 7,000 stars...many more than anyone can see without the aid of a telescope. Planets, comets, satellites and the Milky Way and Andromeda Galaxy can also be projected.

FROM EARTH TO THE UNIVERSE

This stunning voyage through space and time conveys, through sparkling sights and sounds, the Universe revealed to us by science. Viewers can revel in the splendor of the worlds in the Solar System and our scorching Sun. From Earth to the Universe takes the audience out to the colorful birthplaces and burial grounds of stars, and still further out beyond the Milky Way to the unimaginable immensity of a myriad galaxies. Along the way, the audience will learn about the history of astronomy, the invention of the telescope, and today's giant telescopes that allow us to probe ever deeper into the Universe.

SUGGESTED CONCEPTS TO REVIEW INCLUDE

Comet	Geocentric System	Red Giant
Craters	Gravity	Sunspot
Galaxy	Heliocentric Model	Stella Clusters

TOPICS COVERED: Celestial phenomenon, galaxies, history of astronomy, telescopes, space exploration, solar system

ACTIVITIES

Teachers are encouraged to conduct pre-visit and post-visit classroom discussions and activities with their classes to make the most of their experience.

https://chandra.harvard.edu/resources/handouts/constellations/activities/space_travel.pdf

<https://www.nisenet.org/catalog/exploring-universe-exoplanet-transits>