Program: Under the Night Sky
Grade Level: 2 to 12
Group Size: Max. 30
Length: 60 minutes
Location: At your site

OVERVIEW

Students begin by exploring the objects in our night sky that we can see like stars, constellations, and planets. Students will then travel through space to view the most spectacular images of objects waiting just beyond our human vision. This live, interactive show is the perfect astronomy introduction for students of all ages.

BIG IDEAS

- How the sky appears to change due to Earth’s rotation and orbit

OUTCOMES – What will the students know or be able to do at the end of the lesson?

- Find the North Star and compass directions
- Visually identify planets from stars in the night sky
- Understand that the distances of objects factors into their apparent brightness in the sky

Vocabulary

- Universe
- Galaxy
- Solar system
- Orbit
- Rotation
- Gravity
- Atmosphere

Extended Learning

In your classroom:

- NASA Night Sky Planner: shows the current phase of the Moon and what is visible in the sky tonight at your location
- Evening Sky Map and Star Finder: a downloadable handout that outlines all planets and constellations visible for that month and great list of objects visible by eye, binocular or telescope
Standards Supported – NGSS/CCSS/21st Century Skills

Next Generation Science Standards (NGSS)

- Earth and Space Sciences: 5-ESS1-1, 5-PS2-1, MS-ESS1-1, MS ESS1-3

Common Core State Standards (CCSS)


Reservations

For reservations, please call 206-768-7175 or email: outreach@museumofflight.org.
For grant assistance, please visit www.museumofflight.org/education/grant-assistance.