



The Oneida-Herkimer-Madison BOCES Portable Planetarium offers an immersive and educational space science experience right at your school! Our state-of-the-art inflatable dome is 15 feet tall and 25 feet wide, only requiring access to a standard electrical outlet.

Key Features:

- **Capacity:** Up to 60 participants per presentation (depending on grade level).
- **Accessibility:** Features a floorless design, ensuring students using mobility devices can fully participate.
- **Presentation Length:** 20-40 minutes, tailored to specific grade levels.
- **Expert Narration:** Content presentations led by knowledgeable in-house science educators.
- **Scheduling:** Full-day bookings allow for a maximum of six sessions, while half-day bookings accommodate three consecutive sessions.
- **Customization:** Our team collaborates with teachers to adapt programs, ensuring they meet the diverse needs of all students.

ELEMENTARY PRESENTATIONS

Presentation Title	Presentation Content	Grade Levels	NYS Standards
Flying High	Observe day/night cycle and take a space shuttle trip to see movement in space.	PK - K	P-ESS1-1 1-ESS1-1
Journey to the Moon	Observe the moon from Earth before seeing a mission to see the moon up close.	PK - K	P-ESS1-1 1-ESS1-1 1-PS4-2
Moving Right Along	Experience Earth's rotation, and see why familiar bodies in the sky seem to move.	1 - 3	1-ESS1-1 2W7 (ELA) 3W6 (ELA)
Sky Stories	Learn about stars, constellations, why we look at them, and their stories.	1 - 3	1-ESS1-1 3R7 (ELA)
Stellar Lunar	Observe Moon's phases, then learn why we see it that way and how eclipses happen.	1 - 5	1-ESS1-2 5-ESS1-2
What's Up?	Learn how light gets to us in space, then take a look at other planets and our solar system.	3 - 5	5-PS2-1 5-ESS1-1

Contact Us!

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Website: <https://www.oneida-boces.org/support-services/science-center/planetarium>

MIDDLE SCHOOL PRESENTATIONS

Presentation Title	Presentation Content	Grade Levels	NYS Standards
Native American Astronomy	See how Native Americans used sun, moon, and stars for timekeeping and traditions.	6 - 8	MS-ESS1-1 5.1 (SSF) 7.1 (SSF)
Our Very Own Star	Observe the Sun's path changing with the seasons and learn about its surface activity.	6 - 8	MS-ESS1-1 MS-ESS1-2
Planets	Find planets in the sky and learn their names, appearances, and movement around the Sun.	6 - 8	MS-PS2-4 MS-ESS1-2 MS-ESS1-3
World In Motion	Learn about Earth's rotation, tilt, revolution, and how these affect us living on its surface.	6 - 8	MS-PS2-4 MS-ESS1-1 MS-ESS1-2

HIGH SCHOOL PRESENTATIONS

Presentation Title	Presentation Content	Grade Levels	NYS Standards
How Do We Know?	See the development of astronomy through ages to our current understanding of universe.	HS	HS-PS4-1 HS-ESS1-2
Hubble Space Telescope	Learn about the purpose and discoveries of one of our top mechanisms of space study.	HS	HS-PS4-1 HS-ESS1-2
The Sun	Learn about the Sun's chemical and magnetic properties and phenomena visible from Earth.	HS	HS-PS1-8 HS-ESS1-1 HS-ESS1-7
Gravitational Waves	Learn about gravitational waves, detection methods, and support for relativity theory.	HS+	HS-PS2-1 HS-PS4-1 HS-ESS1-4

Portable Planetarium: Additional Programming, 2026-2027



The following **movies** are documentaries, films, or other forms of visual media, which may or may not include narration and/or captions. These are recommended for after-school events, science fairs, STEM Nights, and club activities. Movies can be used in place of a presentation.

Movie Name and Duration	Summary	Grade Levels	Format
"5000 Eyes" (22:46)	Astronomers in Arizona use various technologies to map the positions of galaxies and determine how the universe looked in the past, and how it looks now.	HS	Documentary, audio, narration, no captions
"Astronomy Photographer 2015" (14:30)	High-definition still photographs of astronomical objects and events, overlaid on a changing background and quiet music	Any	Slideshow, audio, no narration, no captions
"Astronomy Photographer 2016" (27:03)	High-definition still photographs of astronomical events over a changing background, with narration	MS - HS	Slideshow, audio, narration, no captions
"Big Astronomy" (27:38)	Researchers from Chile observe the sky with multiple powerful telescopes to investigate our solar system.	Grades 4 - MS	Documentary, audio, narration, captions
"Climate Change In Our Backyard" (19:50)	Scientists study various factors in the global environment, especially CO2 levels, to figure out how the Earth's climate is changing and its impacts.	Grades 4 - MS	Documentary, audio, narration, no captions
"Cosmology" (27:57)	The development of theories and thinkers in astronomy over time are discussed, as well as the Big Bang, the expanding universe, and dark energy.	HS	Documentary, audio, narration, no captions
"Dark: The Movie" (19:59)	Dr. Alan Duffy describes the reasons scientists believe in the existence of dark matter and how it behaves, as well as how it is studied and simulated.	HS	Documentary, audio, narration, no captions
"Into the Polar Night" (25:20)	A team of scientists use various techniques to study and investigate changes in sea ice levels in the northern Arctic.	MS	Documentary, audio, narration, no captions
"Four Paths of the Sun" (9:35)	The four seasons on Earth, and how they are caused by our planet's tilt and orbit, are discussed, along with equinoxes.	Grades PK - 5	Documentary, audio, narration, no captions

Movie Name and Duration	Summary	Grade Levels	Format
"From Earth to the Universe" (31:40)	This program is a comprehensive guide to the history of our astronomical knowledge, the planets of the solar system, and our place in a universe of many galaxies.	Grades 5 - MS	Documentary, audio, narration, no captions
"Light Echoes" (5:13)	A series of images of the beautiful stars, nebulae, and other spectacles of space, observed by the Hubble Space Telescope	Any	Slideshow, audio, no narration, no captions
"Losing the Dark" (6:25)	Light pollution is both a drain on energy resources and a hindrance to our view of the night sky, but there are ways to prevent it.	Grades 3 - MS	Documentary, audio, narration, captions
"Max Goes to the Moon" (34:41)	Children can learn some facts about the moon as they hear the story of a dog who wanted to become an astronaut.	Grades 1 - 4	Film, audio, narration, no captions
"Mayan Archeoastronomy" (20:00)	A beautifully-animated movie discusses Mayan mythology and culture, and how it interacts with astronomy.	Grades 5 - MS	Documentary, audio, narration, no captions
"One Sky" (43:31)	A series of 6-minute stories are shown which highlight different cultures' interpretations of the night sky.	Grades 3 - MS	Film, audio, narration, no captions
"Phantom of the Universe" (27:37)	Learn about particle physics, the building blocks of the universe, and the research done at the Large Hadron Collider to probe the mysteries of these particles.	HS	Documentary, audio, narration, captions
"Solar Quest" (11:52)	Experience the energetic reactions and events that occur on the Sun's surface, and learn about what "solar weather" means for Earth and humans.	Grades 5 - HS	Documentary, audio, narration, captions
"Voyage To Distant Worlds" (38:14)	Journey through space to see and learn difference facts and features of the planets, moons, and other objects in our solar system.	Grades 4 - MS	Documentary, audio, narration, no captions

