

MPS Hamilton High School

PLANETARIUM

GRADES 2-12



Come enjoy a multi-media adventure into space! Have a seat in the circular benches and watch the universe on the dome ceiling. Hamilton High School, southside location (6215 W. Warnimont Ave.) Lunch facilities are not available.

When: Monday-Thursday, between 9AM-1PM **Limit:** 60 total participants (chaperones included)
Length: 75 minutes

Sign up for a field trip today! See **page 14** for registration details.

YEAR ROUND PLANETARIUM EDUCATIONAL EXPERIENCES

Are We Alone in the Universe? | 🌱☀️🔭🌌🎬

Grades 2-8

How life began, and whether it exists elsewhere remains one of the most fascinating questions in all of science. In the vastness of space far beyond our own solar system, we can rule out nothing. Just within the past few years, astronomers have discovered that many stars have their own planets and that there are millions of other solar systems. Could some of these planets, orbiting other stars, harbor life? Could there be any planets resembling Earth? As pointed out by Sir Martin Rees, Astronomer Royal, "absence of evidence wouldn't be evidence of absence."

Cosmic Catastrophes | 🌱☀️🔭🌌🎬

Grades 4-8

If the dinosaurs went extinct, will people? Maybe not, but in a billion years things will really heat up, literally. What will happen to the planet Earth, sun and our solar system? Will our star explode? Did you know that an exploding star can give birth to new stars and planetary systems? Recent discoveries have given us new insight as to how we believe the earth, objects in space and even space itself will come to an end. We'll discuss black holes, supernovas and galaxies smashing into each other.

Exploring the Universe | 🌱☀️🔭🌌🎬

Grades 6-8

Delve into the origin of our solar system. Learn about the satellites orbiting the planets in our solar system. See the many types and magnitudes of stars and investigate phenomena that take place outside of our solar system.

Our Solar System and Beyond | 🌱☀️🔭🌌🎬

Grades 2-5

Take a journey through the planets of our solar system through a slide presentation. Experience the planetarium while identifying constellations that are visible in the night sky and learn the folklore connections to our stars.

Reasons of the Seasons | 🌱☀️🔭🌌🎬

Grades 2-8

Did you know that the Earth is about two million miles closer to the sun during our winter months? The motion, and position of the Earth in space is responsible for why we experience warmth in summer and cold in winter, the way we measure time, and how we find our way around on this planet. We discuss why these things happen and show why the stars at night change at different times of the year.

Stories in the Sky | 🌱☀️🔭🌌🎬

Grades 2-8

Before television and video games, before city lights obscured most of the stars, elders told stories of the constellations to their young. These stories not only entertained but taught them valuable lessons such as how to tell time, when a new season was approaching, and even how to find their way home at night. This practice has waned in a world with clocks, calendars, and GPS systems. Join us as we explore this time-honored tradition of passing down lore filled with romance, monsters, morality and how to find your place in the world.

Attention Science Explorers!

Planetarium for High School & Science Clubs | 🌱☀️🔭🌌🎬

This program can offer an in-depth discussion of astronomical topics ranging from planetary formation, retrograde motion, stellar evolution, the possibility of life in the universe as well as the origins of and likely fate of the universe itself. Students are encouraged to ask questions as we discuss both historical and current advances in our attempt to understand the universe we all inhabit.