



## **Totality 2024 | Great Northern American Eclipse**

**April 8<sup>th</sup> 2:00-4:00 pm**

Potsdam, N.Y. is in the direct path of the 2024 total solar eclipse, which will take place on Monday, April 8, 2024.

**Come to the SUNY Potsdam campus to view this once-in-a-lifetime event!** We will be hosting special educational activities for campus and community! We have plenty of SUNY Potsdam themed solar eclipse glasses.

Activity list:

- *"How scientists study the composition of other planets"* in the Petrography lab in Timerman (122). Guests can come in and learn about the rocks and minerals that make up planets in our solar system. Guests can use our petrographic microscopes to learn about how we identify minerals using thin sections. Earth and Environmental Sciences
- The *"Imaging and Mapping Space"* exhibit will be running in Timerman Commons. Guests can play in the augmented reality sandbox to build maps of Mars and learn about how we image planetary surfaces. We have lots of high-resolution maps and photos of Earth, Mars, and the Moon up on display. Earth and Environmental Sciences
- *"Planetary Geology and Water Flow"* with the stream table in Timerman. We will have the stream table up and running to show guests how we use patterns in sediment to understand surface processes on other planets. Earth and Environmental Sciences
- *"Our Solar System"*: come explore a scale model of our solar system (that begins with a human sized Sun ball) on Barrington Drive. Earth and Environmental Sciences
- *"Building Platonic Solids"* will explain Kepler's original flawed model of the solar system and eventual correct model. Join us in the PAC lobby. Mathematics
- *"WISER Center in Space"*: Come to the WISER Center to learn about techniques for growing plants for food in space. Learn about photosynthesis and the sun and plant reaction time to changes in sunlight. Biology

- *"Totality in the Planetarium"*: The planetarium will be open and demonstrations explaining the nature of eclipses will be running. Earth and Environmental Sciences
- *"Google Moon and Mars"*: We will have the GIS lab (Timerman 121) open and running google Moon and google Mars so that guests can come in and explore those surfaces. Environmental Studies
- *"Collecting Eclipse History"*: Join us as we create 2024 solar eclipse memories. History and Sociology
- *"How eclipse's work"* with celestial model. We will have a "dark" lab room in Timerman 120 with 3 celestial models up (Sun (light), Moon, Earth that orbit) to learn about different types of eclipses and what causes them. Mathematics
- *"Space Themed Coloring"* in Marshall Park with Mathematics
- *"Animals and the Eclipse"* will document current research on how animals respond to eclipses. Environmental Studies and Biology
- *"Sleeping Soybeans"*: We will have soybean plants that "nod-off" when it goes dark. Biology
- *"Eclipse Music"* in the quad with the History Department DJs
- *"Eclipse History Outdoor Exhibit"* in the Quad. Come explore some of the ways eclipses have made history.
- *"Exochemistry: Making materials in space"* will explore how we will be able to live and work in space? We'll need to adapt to the environment of the planet or moon. This presentation shows some of the ways we might deal with making fuel, building materials, etc., on Mars, Titan or the Moon. Chemistry
- *Totality Wood Fire Pizza Making Workshop @ HEARTH*: Open to the first 30 participants. Workshop runs from 1:30 to 2:30 pm on a first come first serve basis. Pizza lies at the heart of many memorable moments in life. That statement no longer solely applies to folks on Earth. Astronauts at the International Space Station recently enjoyed "homemade" pizza while in orbit. Food writers back on Earth referred to it as the "greatest pizza party ever!" Come make your own memories, while learning to make traditional Neapolitan pizza at HEARTH.

The SUNY Potsdam student clubs will also be hosting some activities!

- *"Space Lego Building"* with *Anthropology Club*
- *"Eclipse Book Sale"* with *The History Association*
- *"Astral Art"* with the *Environmental Club*
- A performance of *"A Sharp Arrangement"* from 2:00 – 2:30 at the Marshall Park Bandshell
- Make a *"Galaxy Tote"* with SOCA LOCA
- *"Augmented Reality Sandbox"* and *"Name our Dinosaur"* with Geology Club in Timerman Commons