



NEW YORK HALL OF SCIENCE

Connecting Communities to Real Time Astronomy Phenomena: Solar Eclipse 2024

Sylvia Perez

5/1/23 - 4/30/24



NYSCI Central Pavillion

Credits: New York Hall of Science

Connecting Communities to Real Time Astronomy Phenomena: Solar Eclipse 2024 is a series of STEM learning programs culminating in the April 2024 solar eclipse, for PreK-12th grade students and their families from NYSCI's local community of Corona, Queens. At these events, the NYSCI team will facilitate a Solar Eclipse Station, a portable set of hands-on tabletop activities developed as part of the project that use everyday materials to model eclipses and design viewing devices that can be used to safely observe the April 2024 solar eclipse. Participation will connect students to NASA missions and resources through the

exploration of relevant science and technology; increase their understanding of the scientific principles behind solar eclipses; develop STEM skills such as critical thinking and problem solving; and build understanding of the spatial relationship between the Sun, Moon, and Earth. Participants will also be able to investigate parts of the Sun and solar events like solar flares and explore why eclipses do not occur more often. NYSCI will facilitate its Solar Eclipse Station at three established community events where we routinely engage local families.

List of Partners:

- School District 24 (Queens, NY)

The material contained in this document is based upon work supported by a NASA grant or cooperative agreement award #80NSSC23K0804, under the Teams Engaging Affiliated Museums and Informal Institutions (TEAM II) activity of NASA's Next Gen STEM Project.

Explore TEAM II Products

<https://www.nasa.gov/learning-resources/search/>