National Aeronautics and Space Administration



NASA Eclipse Planning



Drs. Kelly Korreck & Alex Lockwood on behalf of the NASA Eclipse Collective Program Manager & Engagement Manager June 9, 2023

THE HELIOPHYSICS BIG YEAR

Eclipse Efforts



Science, Missions, Engagement

Citizen Science

TIMING & MILESTONES

Buildup: Jan. 2023 – Oct. 2023 Kick-Off Event: ~Sept./Oct. 2023 Annular Eclipse: Oct. 14, 2023 Total Eclipse: April 8, 2024 Parker Perihelion: Dec. 24, 2024 HBY Officially Ends: Dec. 2024





MONTHLY THEMES

October 2023: Annular Eclipse

November 2023: Citizen Science

December 2023: Mission Fleet

January 2024: The Sun Touches Everything

February 2024: Fashion

March 2024: Experiencing the Sun

April 2024: Total Solar Eclipse

May 2024: Visual Art June 2024: Performance Art July 2024: Physical Health August 2024: Kids September 2024: Environment/ Sustainability **October 2024:** Solar Cycle/Solar Max **November 2024:** Bonus Science **December 2024:** Parker's Perihelion



NASA Priorities for 2024 Total Solar Eclipse

- Safety
- Broadening Participation
- Science
- Public Engagement
- Science Activation
- Citizen Science



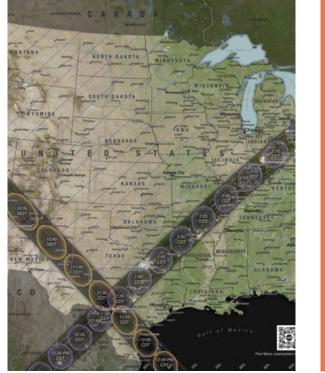
Get Ready for These Upcoming Eclipses in the United States!

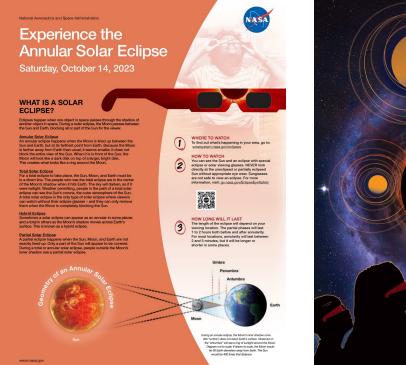




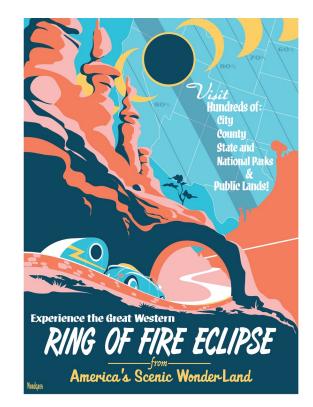
https://solarsystem.nasa.gov/eclipses/

Just a few resources on the eclipse website!











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Solar Eclipse

A solar eclipse occurs when the Moon passes between Earth and the Sun, thereby obscuring Earth's view of the Sun, totally or partially. Such an alignment coincides with a new moon, indicating the Moon is closest to the plane of the Earth's orbit. In a total eclipse, the disk of the Sun is fully obscured by the Moon. In partial and annular eclipses, only part of the Sun is obscured.

>> Read More >>

Mini Lessons

Interactives

Lesson Plans

Featured Mini Lessons

How will different Locations in the US Experience the 2024 Solar Eclipse?













Eclipse-Focused NASA Science Activation Projects

https://science.nasa.gov/learners/science-activation-teams

Eclipse Training for NASA

- Eclipse Training on Annular Solar Eclipse soon!
- Eclipse Training on Total Solar Eclipse this fall

NASA Heliophysics Education Activation Team (NASA HEAT) is providing eclipse support. POC: Dr. Michael Kirk, <u>michael.s.kirk@nasa.gov</u> Carolyn Ng, <u>carolyn.y.ng@nasa.gov</u>

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