

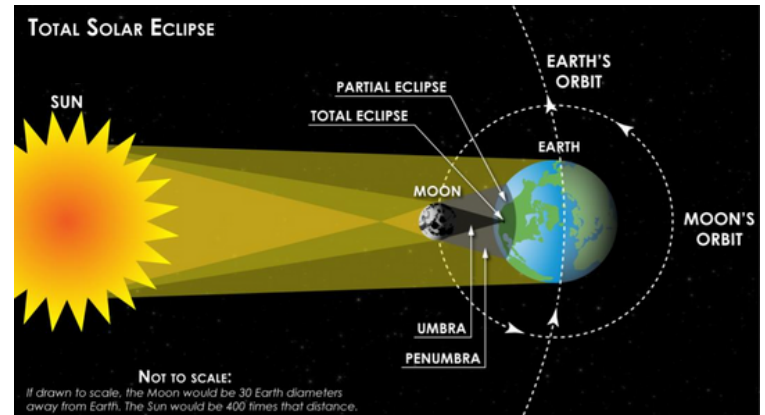
Total Solar Eclipse

Monday, April 8th, 2024

On April 8th, 2024, parts of the United States will experience a total solar eclipse. After the eclipse on the 8th, the next solar eclipse visible in the U.S. won't be until 2044!

What is a Solar Eclipse?

A solar eclipse is a type of eclipse that occurs when the Moon passes between the Sun and the Earth, and the Moon fully or partially blocks ("occults") the Sun.



Great American Eclipse

Explore the spectacular cosmic phenomenon of a total solar eclipse and follow scientists as they work to unlock secrets of our Sun in NOVA's *Great American Eclipse*, premiering April 3rd at 9PM ET on PBS.

bit.ly/AmericanEclipse3

Path of Totality

The path of totality refers to the parts of the United States that will experience a total solar eclipse. Learn more about the eclipse's path on NASA's website.

bit.ly/2024Path



NOVA 2024 Eclipse Live!

On April 8th, 12 PM ET, join NOVA for a virtual field trip prior to the eclipse with NASA scientists at the Kerrville Eclipse Festival in Texas! bit.ly/NOVAeclipse2024

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PBS LearningMedia has the resources you need for teaching about the solar eclipse!



Experience a Solar Eclipse

In this lesson plan, students explore the experience of a total solar eclipse and learn about what factors cause eclipses. This lesson features NASA photos, videos and more.

bit.ly/ExperienceSolarEclipse



Predicting Eclipses

Have your students learn about the evolution of eclipse predictions- from ancient Babylonians to modern day mathematics- in this pair of NOVA videos.

bit.ly/PredictingEclipses



Safely View the Eclipse

In this video, Astronomer Dr. Kate Dellenbusch explains different ways to safely view a solar eclipse, the science behind why these methods work, and how to create your own pinhole viewer.

bit.ly/ViewSafely

Webinar for Educators

This recorded webinar showcases engaging media, activities, and other tools to help students investigate the science behind solar eclipses. youtube.com/GBHEducation

**Teach the 2024 Solar Eclipse!
Resources and Strategies
for K-12 Classrooms**

Free Webinar for Educators
Now Available on YouTube

