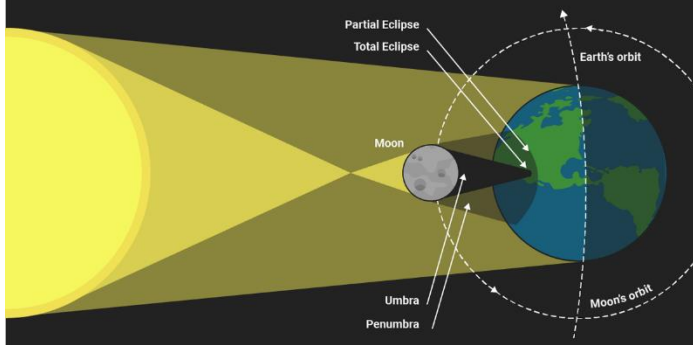


How to Safely View the April 8, 2024

TOTAL SOLAR ECLIPSE



A solar eclipse occurs when the Moon blocks any part of our view of the Sun. On April 8, 2024, a solar eclipse will be visible in Michigan! We are just outside the path of totality (the areas of Earth where the Moon will completely cover the Sun). Due to our location it is essential to protect your eyes when looking at the Sun.

Solar Eclipse Glasses or other certified safety viewer **MUST** be worn **AT ALL TIMES** while viewing this phenomenal event from our location here in Michigan.



Things to Do BEFORE the Eclipse

- Teach students about solar eclipses
 - How and Why they happen?
 - Historical & Cultural Implications
 - How to view them safely!!!!

Classroom Activity & Video Links on Next Page

Time of Events

(all times are approx.)

Eclipse Begins ... 2:00 pm

Maximum Coverage ... 3:15 pm

Eclipse Ends ... 4:00 pm

For exact times for your specific location go to:

[Eclipse viewing information for the Great North American Eclipse of April 8, 2024 | eclipse2024.org](#)

Things to Do DURING the Eclipse

- Monitor students for safe use of viewers
- Remind students of what is happening in real time
- Record observations and practice science skills
- Journal the experience

Advice from NASA

Instructions for the Safe Use of Solar Filters and Viewers

- Always inspect your solar filter before use; if scratched, punctured, torn, or otherwise damaged, discard it. Read and follow any instructions printed on or packaged with the filter.
- Always supervise children using solar filters.
- If you normally wear eyeglasses, keep them on. Put your eclipse glasses on over them or hold your handheld viewer in front of them.
- Stand still and cover your eyes with your eclipse glasses or solar viewer before looking at the bright Sun. After looking at the Sun, turn away and remove your filter – do not remove it while looking at the Sun.
- Do not look at the uneclipsed or partially eclipsed Sun through an unfiltered camera, telescope, binoculars, or other optical device. Do not do so even while wearing eclipse glasses or using a handheld solar viewer in front of your eyes – the concentrated solar rays could damage the filter and enter your eyes, causing serious injury.
- Solar filters must be securely attached to the front of any telescope, binoculars, or camera lens. Seek expert advice from an astronomer before using a solar filter with a camera, telescope, binoculars, or any other optical device

Source: [eng-2024-eclipse-safety-sheet.pdf \(nasa.gov\)](#)

How to Safely View the April 8, 2024

TOTAL SOLAR ECLIPSE

Eclipse Safety

Remember, observing eclipses requires proper precautions. Use approved solar filters or indirect viewing methods to protect your eyes during solar eclipses.



Classroom Activity Links

Elementary Videos

[What Is a Solar Eclipse? \(youtube.com\)](#)

[Fun K-8 Science Lessons with Activities, Teacher Resources, and More \(youtube.com\)](#)

[Getting Ready for the Eclipse! \(youtube.com\)](#)

[Why Can I See the Moon During the Day? \(youtube.com\)](#)

Elementary Activity

[orrery.pdf - Google Drive](#)

History & Culture

[Indigenous Eclipse Teachings Video \(nasa.gov\)](#)

[A Time for Renewal - Navajo \(Diné\) Knowledge of Eclipses | Exploratorium](#)

[Eclipse tales: Eat the Sun \(youtube.com\)](#)

[Cherokee Origin Story: Solar Eclipse \(youtube.com\)](#)

[Solar Eclipses Throughout History: Warning Sign To Many Ancient Cultures | Solar Eclipse 2017 | TIME \(youtube.com\)](#)

[How did people view solar eclipses in the past? \(youtube.com\)](#)

[How an Eclipse Proved Einstein Right \(youtube.com\)](#)

[The eclipse photo that made Einstein famous \(youtube.com\)](#)

Upper Elementary & Secondary Activities

[Educator Guide: Eclipsing Enigma: A 'Pi in the Sky' Math Challenge | NASA/JPL Edu](#)

[Educator Guide: Measuring Solar Energy During an Eclipse | NASA/JPL Edu](#)

[Modeling Eclipses Lab \(nasa.gov\)](#)

[Citizen Science \(nasa.gov\)](#)

Secondary Videos

[Eclipses Used To Be Terrifying \(youtube.com\)](#)

[How Eclipses Changed History \(youtube.com\)](#)

[Why Solar Eclipses Create Those Crescent-Shaped Lights \(youtube.com\)](#)

[The LAST Eclipse in History \(youtube.com\)](#)

[Weird Things Animals Do During Eclipses \(youtube.com\)](#)