

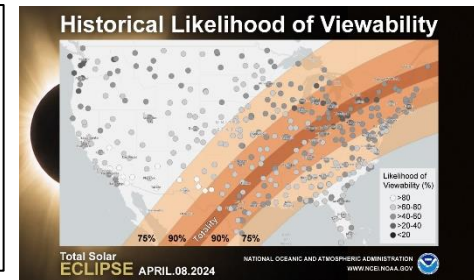
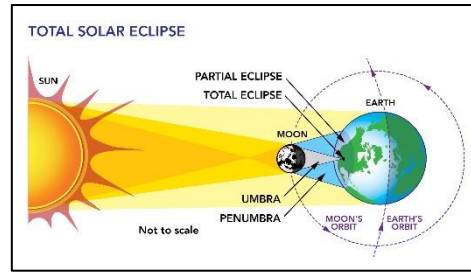


The Solar Eclipse

Viewing in Central Florida

What is a solar eclipse?

A solar eclipse occurs when the moon passes between the Sun and Earth, casting the moon's shadow on Earth. The Sun, moon, and Earth need to be in a straight line, and you need to be standing at the correct spot on Earth to see it.



When can we see it?

Monday, April 8, 2024

The eclipse will begin at 1:46 pm, peak at 3:03 pm, and end at 4:17.

Please be safe!

We will only get a partial eclipse in Central Florida.

- IT IS NEVER SAFE TO LOOK DIRECTLY AT THE SUN DURING A PARTIAL ECLIPSE WITHOUT SPECIALIZED EYE PROTECTION! This can cause severe retina damage.
- View the Sun through eclipse glasses or a handheld solar viewer during the partial eclipse phases before and after totality (we will not reach totality in Central Florida). Even a little bit of the bright Sun should be viewed through eclipse glasses or a handheld solar viewer.

Resources, References, and Activities

- <https://science.nasa.gov/eclipses/future-eclipses/eclipse-2024/> [article]
- [Why the 2024 total solar eclipse will be such a big deal \(sciencenews.org\)](https://www.sciencenews.org/article/why-the-2024-total-solar-eclipse-will-be-such-a-big-deal) [article]
- <https://science.nasa.gov/solar-system/skywatching/eclipses/solar-eclipses/2024-solar-eclipse/total-solar-eclipse-2024-the-moons-moment-in-the-sun/> [article]
- <https://spaceplace.nasa.gov/eclipse-snap/en/> [elementary video]
- <https://www.youtube.com/watch?v=cxrLRbkOwKs> [video]
- <https://www.exploratorium.edu/eclipse/snacks/eclipse-in-a-cup> [activities]
- <https://www.nsta.org/eclipse> [resources and activities]
- <https://science.nasa.gov/learn/experience-the-total-solar-eclipse-with-science-activation/> [resources and activities]
- <https://science.nasa.gov/eclipses/future-eclipses/eclipse-2024/safety/> [safety]
- [EclipseEd: Illuminating Learning Paths for the April 8th Total Solar Eclipse | Education & Outreach \(colorado.edu\)](https://colorado.edu/eclipse-ed) [webinar and resources]

