

TOTAL SOLAR ECLIPSE

LORAIN COUNTY METRO PARKS VIEWING LOCATIONS

 **Lakeview Park**
1800 West Erie Ave., Lorain

Parking will be limited, and traffic patterns will be modified to accommodate the influx of vehicle and pedestrian traffic. While supplies last, Sunset Café will offer a limited menu for breakfast (8-11 am) and lunch (11:30 am-5 pm). Lakeview Beach Concessions will also be open from 2-6 pm. All sales will be CASH ONLY.

 **Carlisle Reservation - Equestrian Center and Nielsen Observatory**
13630 Diagonal Rd., LaGrange

As space is limited, parking at the Equestrian Center will be reserved for handicap access only. Additional parking will be available at the Carlisle Visitor Center (12882 Diagonal Rd.) or Carlisle Duck Pond (12550 Diagonal Rd.). The Equestrian Center will be accessible by walking trail from the Visitor Center (approx. 1 mile) and Duck Pond (approx. 2 miles). Limited shuttle services will be available. While supplies last, a limited concessions menu will be available from 11 am-5 pm. All sales will be CASH ONLY. For safety, all trails at Carlisle Reservation will be closed to equestrian riders and horses on Monday, April 8.

APRIL 8, 2024 TOTAL SOLAR ECLIPSE PATH:



Source: science.nasa.gov



MONDAY, APRIL 8, 2024



PARTIAL BEGINS:
1:59 p.m.

TOTALITY BEGINS:
3:13 p.m.

MAXIMUM:
3:15 p.m.

TOTALITY ENDS:
3:17 p.m.

PARTIAL ENDS:
4:29 p.m.

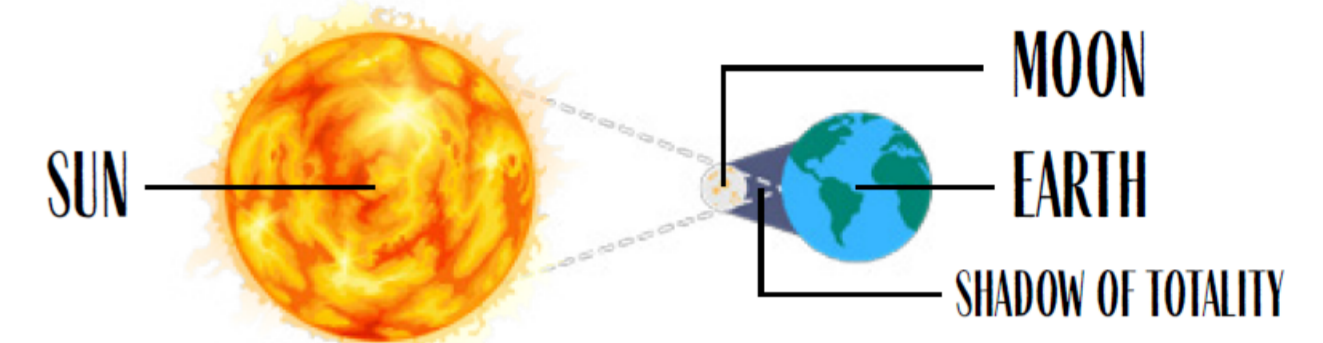
Join us on Monday, April 8, for the celestial event of the decade—the total solar eclipse! Lorain County is in the path of totality for this event, which means that Earth's moon will completely shadow the sun. Celebrate this event with Lorain County Metro Parks at one of two viewing locations: Lakeview Park in Lorain or Carlisle Equestrian Center in LaGrange. Both viewing locations will offer activities and information from 11 am-5 pm, including a Solar System Walk. This walk-through display will offer fun and educational information about the planets in our solar system.

Plus, we've partnered with the Black River Astronomical Society, which will be onsite at both viewing locations to answer questions and provide telescopes with the proper filters to view the eclipse. A limited number of FREE solar viewing glasses will also be available on a first-come, first-served basis.

Each park will open at 8 am with no early entry permitted. Parking will be limited, and visitors should be prepared for traffic pattern changes. Overnight parking and camping are strictly prohibited. This event will happen rain or shine, and visitors are encouraged to dress for the weather and to bring their own lawn chairs. For safety, pets/dogs are not permitted at our events, except for service animals.



As more details are finalized and for the latest information on this event, visit:
loraincountymetroparks.com/Solar-Eclipse.



What exactly is a total Solar Eclipse?

A total solar eclipse happens when the Moon passes between the Sun and Earth, completely blocking the face of the Sun. People located in the center of the Moon's shadow when it hits Earth will experience a total eclipse.

What can I expect?

The sky will darken, as if it were dawn or dusk. Weather permitting, people in the path of a total solar eclipse can see the Sun's corona, the outer atmosphere, which is usually obscured by the bright face of the Sun. You need clear skies to have the full eclipse experience, with a clear view of the Sun and Moon. However, the eerie daytime darkness associated with eclipses is still noticeable with cloud cover. You can also expect the temperature to drop about 10 degrees Fahrenheit depending on the humidity and cloud cover at your location. When a solar eclipse reaches totality, nocturnal wildlife sometimes wakes up, thinking that it's nighttime, and non-nocturnal wildlife might think it's time to head to sleep!

What causes an eclipse to occur?

Eclipses occur due to the special coincidence of the Moon and the Sun being the same angular size. The Sun is approximately 400 times wider than the Moon, but it is also approximately 400 times farther away, so they appear to be the same size in our sky. This is what allows the Moon to completely block the Sun during total solar eclipses.

However, the Moon's orbit around Earth is not a perfect circle, so when it is at its farthest point from the Earth, the Moon will appear slightly smaller than the Sun. Eclipses that happen during this phase of the Moon's orbit are known as annular eclipses, and the Sun is still visible in a "ring of fire" encircling the Moon.

How rare are total solar eclipses?

Every 1,000 years there are 840 partial eclipses, 791 annular eclipses, 635 total eclipses, and 114 hybrid eclipses throughout the world. That works out to 2-3 solar eclipses of all kinds each year, and about 2 total solar eclipses every 3 years. This, however, will be the last total solar eclipse visible from the contiguous United States until 2044 and it is estimated that in any given location on Earth, a total eclipse happens only once every 360 years!

All information above sourced from: science.nasa.gov