



Educational Resources – Total Solar Eclipse April 8 2024

The following resources were used to create the ***What, Why and How for the April 8 2024 Total Solar Eclipse*** videos by Orbax, Production Specialist for Physics Education Content, Department of Physics, University of Guelph.

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Eclipse Maps:

http://xiubier.free.fr/en/site_pages/solar_eclipses/TSE_2024_GoogleMapFull.html

<https://www.timeanddate.com/eclipse/map/2024-april-8>

<https://science.nasa.gov/solar-system/skywatching/eclipses/new-nasa-map-details-2023-and-2024-solar-eclipses-in-the-us/>

<https://svs.gsfc.nasa.gov/5073>

Local Eclipse Info:

<https://www.timeanddate.com/eclipse/in/canada/guelph?iso=20240408>

<https://www.destinationontario.com/en-ca/articles/witness-the-2024-solar-eclipse-niagara-falls-and-southern-ontario>

<https://www.kw.rasc.ca/eclipse2024>

<https://www.hamiltonrasc.ca/programs/2024-hamilton-solar-eclipse/>

<https://www.timeanddate.com/eclipse/solar/2024-april-8>

Eclipse Science Info:

<https://science.nasa.gov/eclipses/future-eclipses/eclipse-2024/>

<https://www.exploratorium.edu/eclipse/2024-total-solar-eclipse-guide>

<https://www.exploratorium.edu/eclipse/three-kinds-solar-eclipses>

<https://www.exploratorium.edu/eclipse/earth>

<https://www.timeanddate.com/eclipse/how-often-solar-eclipse.html>



Safe Eclipse Viewing:

<https://science.nasa.gov/eclipses/future-eclipses/eclipse-2024/safety/>

<https://www.exploratorium.edu/eclipse/how-to-view-eclipse>

<https://eclipse.aas.org/eye-safety/viewers-filters>

<https://eclipse.aas.org/eye-safety>

Video resources:

Visualization Gallery for Educators:

<https://svs.gsfc.nasa.gov/gallery/visualizationsfor-educators/>

Path of totality:

<https://svs.gsfc.nasa.gov/5186/>

<https://svs.gsfc.nasa.gov/14474/>

NASA Eclipse Trailer:

<https://svs.gsfc.nasa.gov/14520>

Safe Eclipse Glasses:

<https://svs.gsfc.nasa.gov/14395/>

Solar Eclipse Animations:

<https://svs.gsfc.nasa.gov/5093/>

<https://svs.gsfc.nasa.gov/20233/>

Annular Eclipse Imagery:

<https://svs.gsfc.nasa.gov/14450/>

How Does the Moon Cover the Sun:

<https://svs.gsfc.nasa.gov/14229/>

Lunar Eclipse and Moon Orbit:

<https://svs.gsfc.nasa.gov/4158>

<https://svs.gsfc.nasa.gov/14143/>

Moon's Rotation:

<https://svs.gsfc.nasa.gov/4709/>