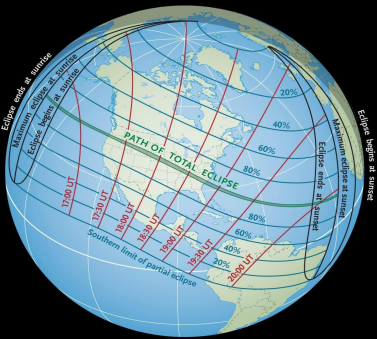


2017 Eclipse Phenomena



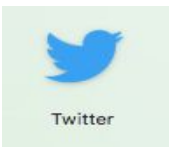
Image Credit: Vic Winter

For most of California, the solar eclipse will be visible from about 9 to 11:20 a.m. Aug. 21, peaking at about 10:15, as the moon passes between Earth and the sun. Those in California will see about 75 percent of the sun blocked, but those in a 100-mile swath of its direct path — from Salem Ore., through Yellowstone National Park, across southern Illinois and over Charleston, S.C. — will glimpse a total blockage. The sky will darken. Temperatures will fall. Stars will twinkle and crickets will chirp. This is the first time a total solar eclipse will cross coast-to-coast since 1918. (Adapted from NASA.org)



San Diego View

(Click [here](#) to see San Diego View during Eclipse)



Twitter #Sweeteclipse2017 Share your Eclipse experiences!



To see maps, resources, community activities, live coverage and more, go to eclipse2017.nasa.gov

Resources



How to View the 2017 Solar Eclipse Safely ([English Flyer](#)) ([Spanish Flyer](#)) ([Graphics Only](#))

A 1-page flyer intended for the general public. The flyer was written by members of the AAS Solar Eclipse Task Force with support from the National Science Foundation and assistance from experts in eclipses, solar observing more generally, and eye care. The advice on the flyer has been endorsed by NASA, the American Academy of Ophthalmology, the American Academy of Optometry, and the American Optometric Association. **SUHSD does not support students directly viewing the eclipse with glasses. Utilize indirect viewing tools only.**

Infographic: Total Solar Eclipse Viewing Guide ([Vertical Format](#)) ([Horizontal Format](#))

Infographic adapted from Bryan Brewer's book *Eclipse: History. Science. Awe.* (Earth View, 2017). Related books can be found in [Books & Articles](#) page of the AAS website. It offers seven key pointers to help you optimize your eclipse viewing experience. Brewer and his publisher encourage everyone to freely share this infographic online or in print. The infographic is available as vertical and horizontal PDFs; you can visit the *Eclipse* [Media Kit](#) page to find it in a variety of other formats.

Eclipse Fact Sheet ([English/Spanish](#))

This double-sided 8.5"x11" fact sheet provides key facts about the August 2017 total solar eclipse, as well as sample activities to engage your audience.

[Total Solar Eclipse Information VIDEO](#)

[NASA Press Tool Kit](#)

A Safe Way to Observe the Sun: Indirect viewing tools

- [Pinhole Projection Box](#)
- [Cereal Box Eclipse Viewer](#) (VIDEO)
- [Pinhole Camera w/two sheets of index paper](#)
- [Create your own 3D Printed Pinhole Projector](#)
- [NASA Live Stream](#) (From International Space Station)

LESSON IDEAS

How to use the rare solar spectacle to ignite students' interest in science, showing them first-hand evidence that the earth rotates around the sun, the moon spins around the earth, and all three of them are undeniably round!

- [Middle School](#)
- [High School](#)
- GIZMOS: 3D Eclipse
 - [Student Exploration Handout](#)
 - [GIZMOS Website](#)
- [NASA Eclipse Activity Guide](#)