



How to Watch This Summer's Solar Eclipse

On Aug. 21, 2017, sky-gazers in North America will have a chance to see one of the most stellar celestial events visible from Earth: a total eclipse of the sun!

Find out everything you need to know about how to safely* watch the eclipse and learn about the history and mystery surrounding these rare events on [NASA's Eclipse 2017 website](#). (***NEVER look directly at the sun without proper solar filters.**)

Want to see what the eclipse will look like where you live? Or better yet, find the best spot to watch the eclipse? Check out [NASA's Eclipse 2017 visualization tool](#), which lets you explore the view from any location in the world.

And check out these eclipse resources for students and educators:

- [How to Make a Pinhole Camera](#): Learn how to make your very own pinhole camera to safely see a solar eclipse in action!

- [**Moon Phases \(grades 1-6\)**](#): Students learn about the phases of the moon by acting them out.
 - [**Pi in the Sky 4 \(grades 6-12\)**](#): In this illustrated problem set, students use the mathematical constant pi to solve real-world science and engineering problems related to craters on Mars, a total solar eclipse, a daring orbit about Saturn, and the search for habitable worlds.
 - [**Exploring Exoplanets with Kepler \(grades 6-12\)**](#): Students use math concepts related to transits to discover real-world data about Mercury, Venus and planets outside our solar system.
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