GET OUT AND SEE THE SOLAR ECLIPSE AUGUST 21ST

HOW DO I VIEW THE SOLAR ECLIPSE?

**STEP 1**
Go outside

**STEP 2**
Put on your eclipse glasses. NEVER look directly at the sun without them!

**STEP 3**
Look up and say wow, ooh, and aah!

Make sure the lenses have no visible damage and meet the ISO 12312-2 international standard.

**DO NOT USE SUNGLASSES!**

Psst! With your new eclipse glasses, you can look at the sun on any clear day. So go out and give it a try!

**PARTIAL**

**ANNULAR**

**TOTAL**
The only time it is safe to view without eclipse glasses.

WHAT IS GOING ON DURING A SOLAR ECLIPSE?

The moon is in the path of the sun’s light, so it casts a shadow on the earth. During the day, the moon will seem to move over the sun, blocking the sun’s light. These three bodies have to be lined up exactly for this to occur. If you are in the “path of totality,” you will see the sun’s corona.
WHAT IS AN ECLIPSE?

Eclipses occur when either the earth or the moon blocks light from the sun. Solar and lunar eclipses occur during periodic alignments of the Sun, Earth, and the Moon.

SOLAR ECLIPSE

NOT TO SCALE

LUNAR ECLIPSE

NOT TO SCALE

WHY DOESN’T THIS HAPPEN ALL THE TIME?

The moon’s orbit is tilted 5 degrees from the earth’s orbit (around the sun), so the moon is usually too high or too low to cause a solar eclipse.

ORBIT OF EARTH AROUND SUN

MOON

EARTH

ORBIT OF MOON: 5° FROM EARTH’S ORBIT

NOT TO SCALE

A total solar eclipse is only visible from the same spot every 375 years. The next solar eclipse viewable from the continental U.S. won’t be until 2024!

LEARN MORE

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