



# Informal Eclipse Planning

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# AAS Informal Ed Working Group

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National Programs

Resources/Activities

Trainings

Live Streams

Citizen Science

Contacts!



# Resources

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Slide Decks, animations, live streams

Hands-on Activities (Science Snacks, right)

Photography Tips

Multilingual Resources

Accessible resources (BLV audiences)

Connection to experts



# Training Programs

DIY - like GBH

Eclipse Ambassadors

Librarians

Conferences

Scientists

NISE Net 10/25 [nisenet.org/solareclipse](https://nisenet.org/solareclipse)

Bringing the Universe to America's Classrooms

## Why Isn't There an Eclipse Every Month?

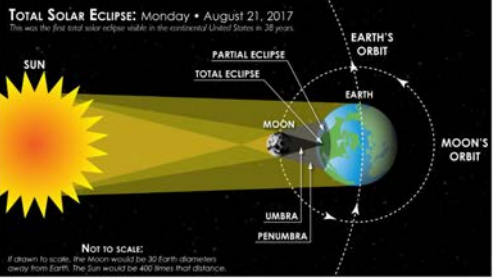
English  Español

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### The Parts of the Moon's Shadow

Whether you see a partial or total solar eclipse depends on which part of the Moon's shadow you are in.

An *umbra* is the inner, darker part of a shadow. The Moon's *umbra* is cone shaped and becomes smaller as it gets farther from the Moon. If you were within the Moon's umbra, you would not see any part of the Sun—the Sun would be completely blocked by the Moon, and you would experience a total solar eclipse.



**TOTAL SOLAR ECLIPSE:** Monday • August 21, 2017  
This was the first total solar eclipse visible in the continental United States in 26 years.

**NOT TO SCALE:**  
If drawn to scale, the Moon would be 30 Earth diameters away from Earth. The Sun would be 400 times that distance.

Click to see larger version.

# Want more info?

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