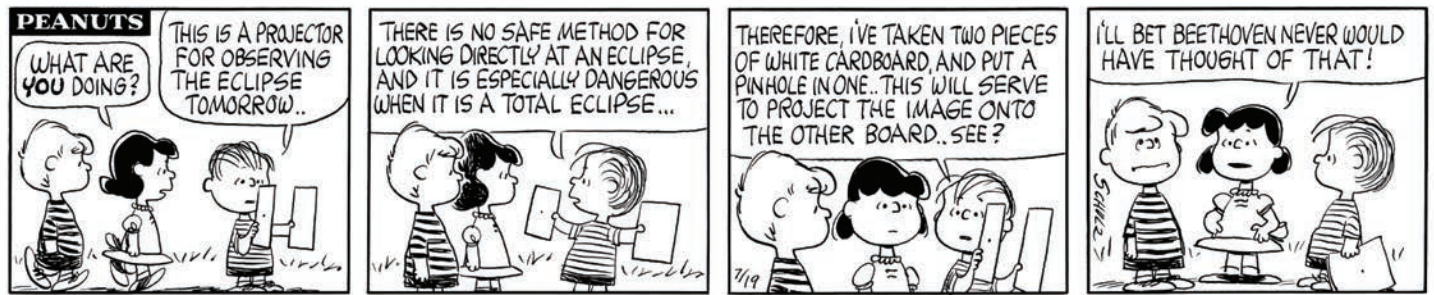


VIEWING AN ECLIPSE SAFELY



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Part 1: Now that you know the science behind eclipses, learn how to prepare for viewing the solar eclipse safely on April 8, 2024. Read the articles at each link, then answer the questions.

Safety First: <https://science.nasa.gov/eclipses/safety/>

Looking directly at the Sun at any time can cause permanent eye damage. What are some ways you can view an eclipse safely?

The Corona: <https://spaceplace.nasa.gov/sun-corona/en/>

The Sun's corona, or outermost layer, is not easily seen. But during the moment of totality in a solar eclipse, when the Moon completely covers the Sun, the corona bursts into view. This gives scientists a chance to study it. What are some things scientists have learned about the corona?

Part 2: In the comic strip above, Linus warns that looking directly at the Sun, even when it is partially eclipsed, can cause eye damage. You can watch a solar eclipse with help from an adult if you use a pinhole projector, like the one Linus is making. Follow your teacher's directions to make your own pinhole projector. Be sure to stand with the Sun behind you when using the projector.

For this, you will need two pieces of white cardstock, aluminum foil, tape, scissors, and a pin or paperclip.

1. Cut out a 2-inch-square hole in the middle of one of the pieces of cardstock.
2. Tape a small piece of aluminum foil over the hole.
3. Flip the cardstock over and poke a pinhole in the middle of the foil.
4. To test your projector, place the second piece of cardstock on the ground. Stand with the Sun behind you (important!) and hold the cardstock with the pinhole above the one on the ground so that it blocks the Sun except for sunlight that goes through the pinhole. Move the pinhole nearer or farther from the cardstock on the ground until you see an image of the Sun projected on it.

FAMILIES! On April 8, 2024, a solar eclipse will sweep across the United States, presenting a stunning experience to millions. Visit www.timeanddate.com/eclipse/solar/2024-april-8 to see when the solar eclipse will occur where you live and make plans to watch it safely with your children using the pinhole projector your child made in class or eclipse safety glasses, or by watching it online indoors. See <https://science.nasa.gov/eclipses/safety/> for safety tips.

