

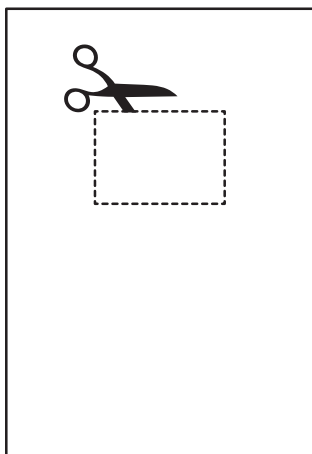
# SAFETY FIRST



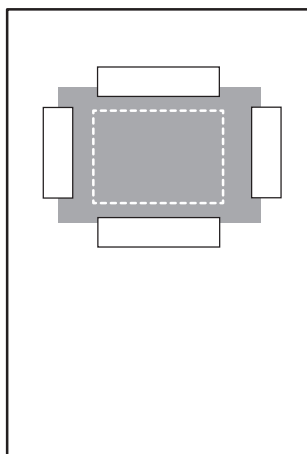
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In the comic above, Linus warns that looking directly at the Sun during a solar eclipse can cause eye damage, even during a partial solar eclipse. You can watch a solar eclipse with help from a grownup if you use some safety tools like this pinhole projector that Linus made. Follow your teacher's directions to make your own pinhole projector. Be sure to stand with the Sun behind you when using your projector.

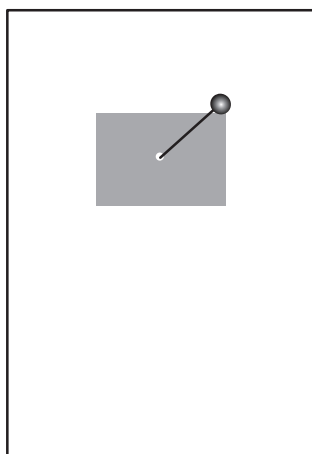
Supplies needed: two pieces of white cardstock, aluminum foil, tape, scissors, and a pin or paperclip.



1. Cut out a 2-inch-square hole in the middle of one of the pieces of cardstock.

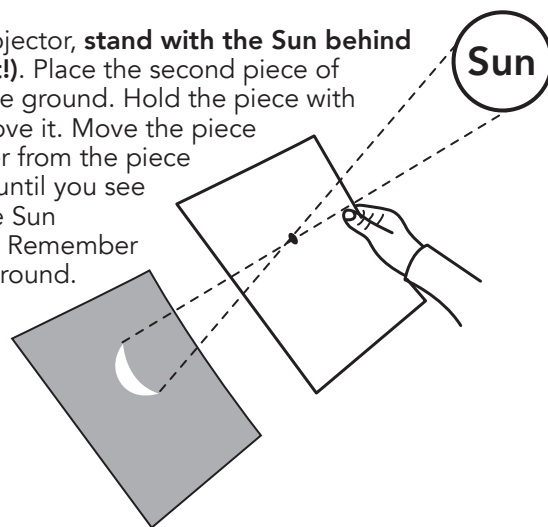


2. Tape a small piece of aluminum foil over the hole.



3. Flip the cardboard over and poke a pinhole in the middle of the foil.

4. To test your projector, **stand with the Sun behind you (important!)**. Place the second piece of cardstock on the ground. Hold the piece with the pinhole above it. Move the piece nearer or farther from the piece on the ground until you see an image of the Sun projected on it. Remember to look at the ground. Do not look at the Sun through the pinhole!



**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](http://www.timeanddate.com/eclipse/solar/2024-april-8) to see when the solar eclipse will occur where you live. 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 safety tips at <https://science.nasa.gov/eclipses/future-eclipses/eclipse-2024/safety/>.