

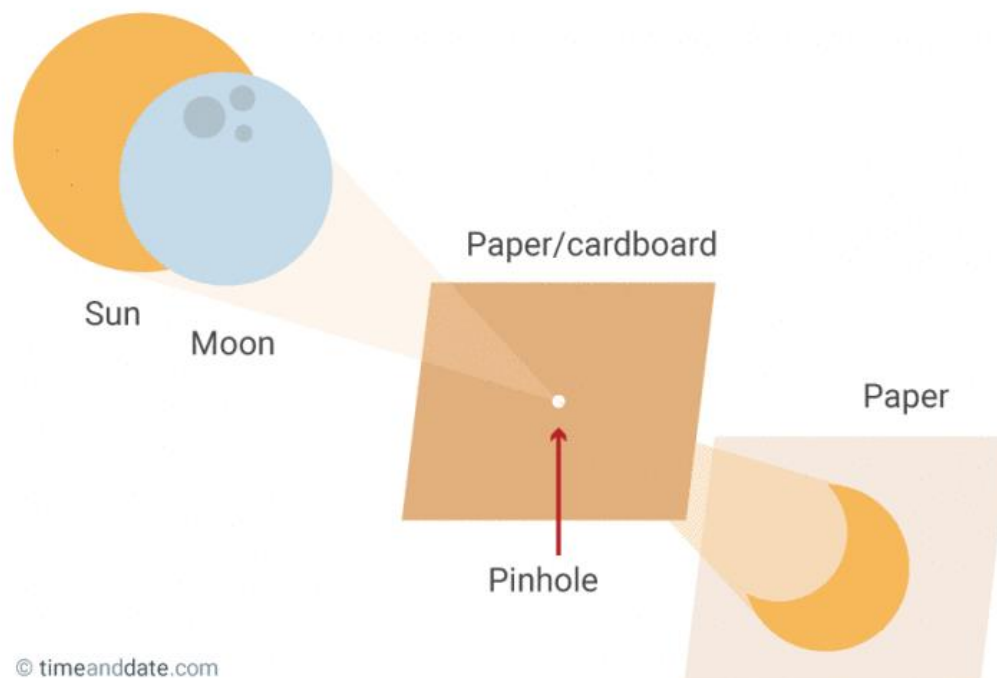
Simple Card Projector

The simplest and quickest way to safely project the Sun is with a projector made from only 2 pieces of card or paper.

You Need:

- 2 pieces of stiff white cardboard, e.g. 2 paper plates
- alternatively, 2 sheets of plain white paper
- a thumbtack, a sharp pin, or a needle

What to Do:



1. To make a quick version of the pinhole projector, take a sheet of paper and make a tiny hole in the middle of it using a pin or a thumbtack. Make sure that the hole is round and smooth.
2. With your back towards the Sun, hold 1 piece of paper above your shoulder allowing the Sun to shine on the paper.
3. The 2nd sheet of paper will act as a screen. Hold it at a distance, and you will see an inverted image of the Sun projected on the paper screen through the pinhole.
4. To make the image of the Sun larger, hold the screen paper further away from the paper with the pinhole.