

Low Tech Options for Observing the Partial Eclipse

There are some simple options for observing the eclipse (some more surprising than others!).

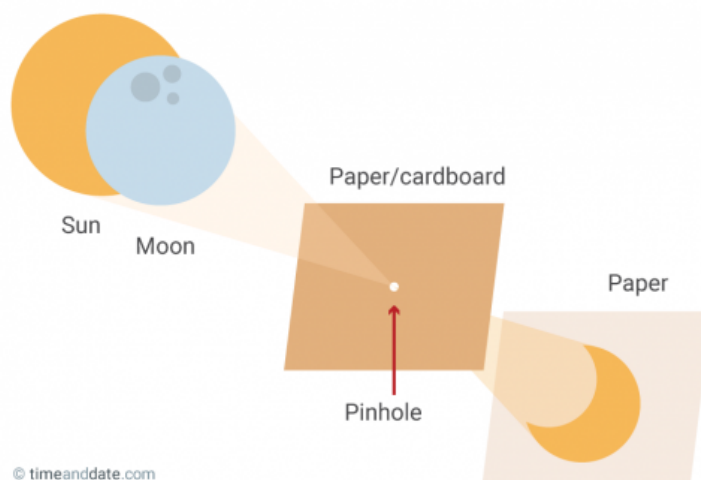
Simple Card Projector

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 drawing pin, a sharp pin, or a needle

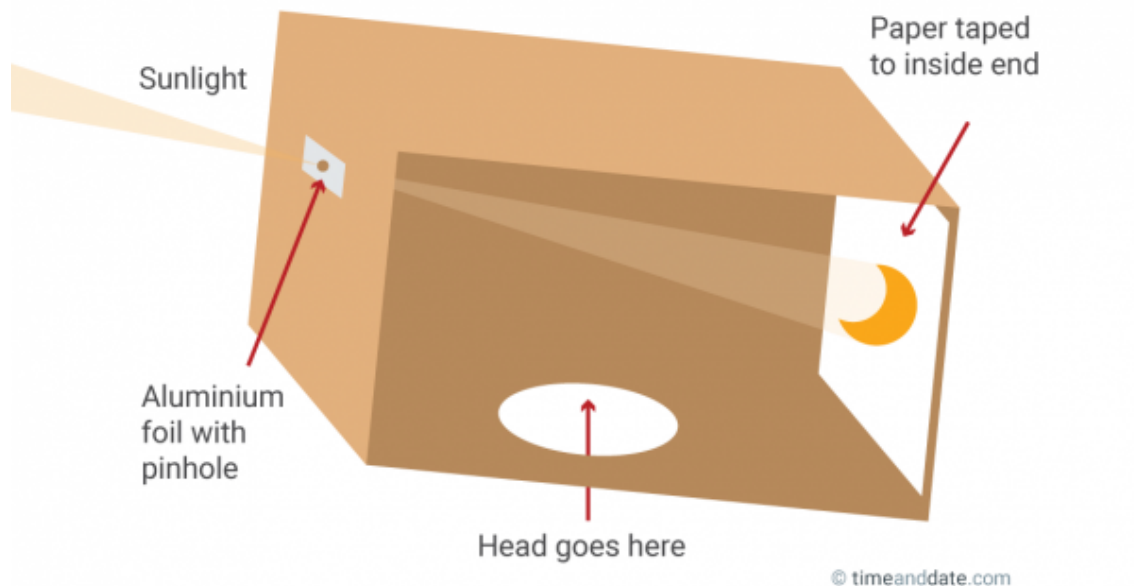
What to Do:



The concept of a pinhole projector

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.

A [box projector](#) works on the same principles, it requires a little more time and a few extra items to construct, but it is more sturdy.



A variation on this can be made with a long cardboard tube where the one end has the tinfoil and the pinhole, and the other is covered with paper. Part of the side of the tube, closest to the paper is cut out so that the sun's image can be seen inside the tube.

The longer the distance between the pinhole and the paper where the sun's image is seen the bigger the sun will look.

Lower Tech – ready made option

Use a colander!



Or even lower tech...

Try looking under the shade of trees, where just some sunlight comes through the leaves

Or even use your fingers – stand with your back to the sun and let the light pass through your crossed fingers to create shadows on the ground

