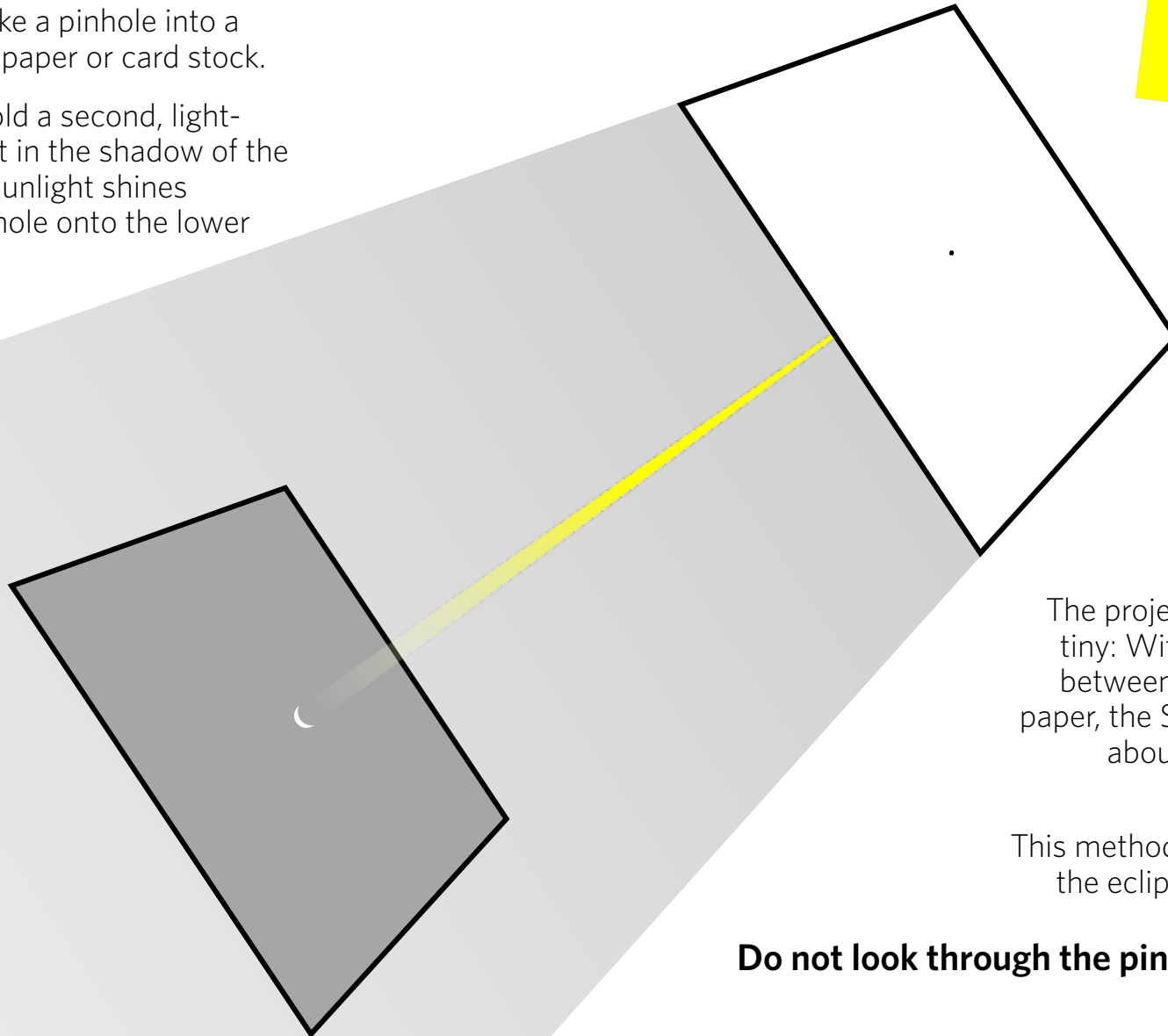


# Make a pinhole eclipse projector.

**Step one:** Poke a pinhole into a sheet of stiff paper or card stock.

**Step two:** Hold a second, light-colored sheet in the shadow of the first so that sunlight shines through the hole onto the lower sheet.



The projected image will be tiny: With about three feet between the two sheets of paper, the Sun's image will be about a quarter-inch in diameter.

This method works best when the eclipse is at maximum.

**Do not look through the pinhole at the Sun!**

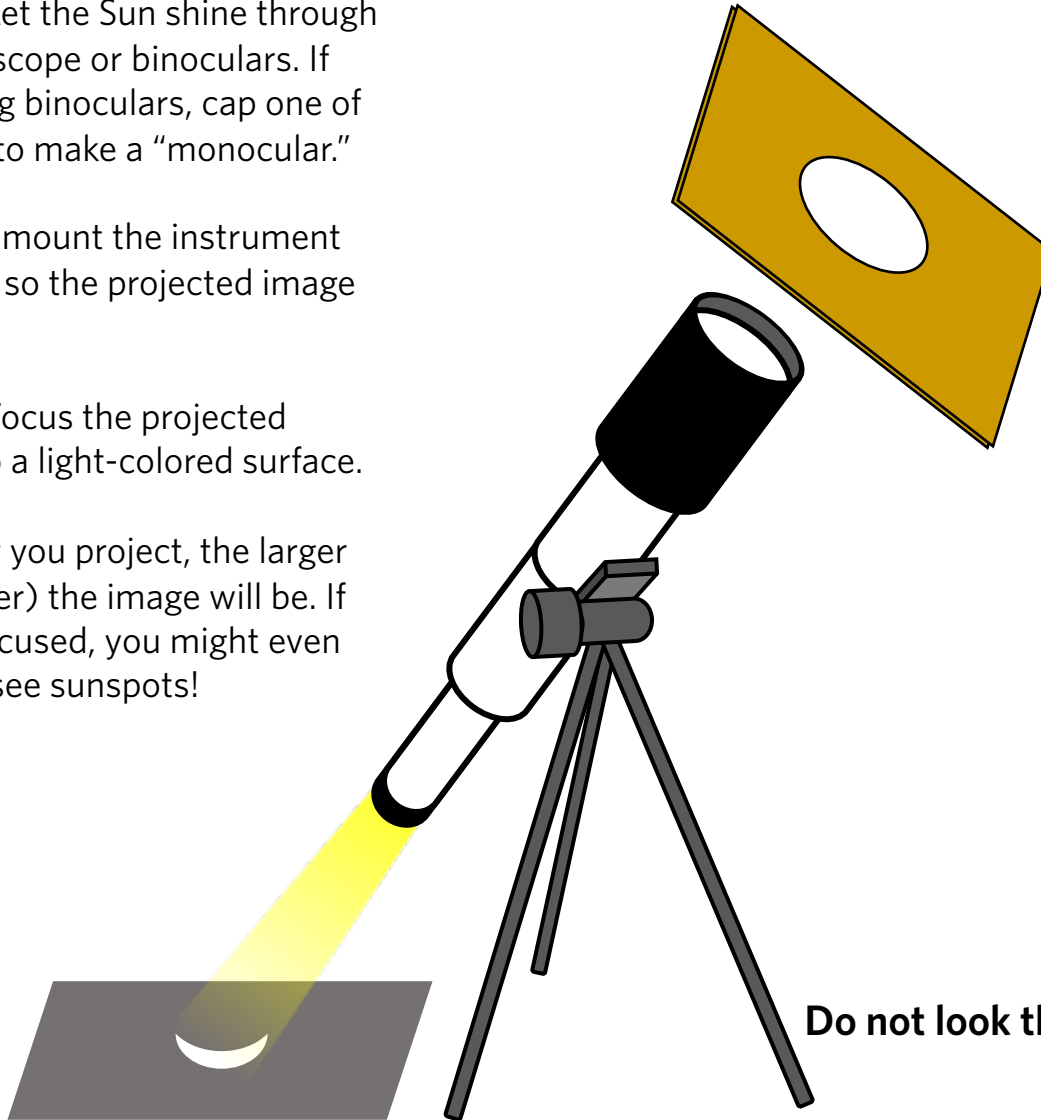
# Make an eclipse projector with binoculars or a spotting scope.

**Step one:** Let the Sun shine through a spotting scope or binoculars. If you're using binoculars, cap one of the lenses to make a "monocular."

If possible, mount the instrument on a tripod so the projected image is stable.

**Step two:** Focus the projected image onto a light-colored surface.

The farther you project, the larger (but dimmer) the image will be. If properly focused, you might even be able to see sunspots!



*Fit a piece of cardboard with a hole cut in it over the front of the instrument. That will also cast a shadow to project into so you can see the image more clearly.*

**Do not look through the instrument at the Sun!**