

MAKE A PINHOLE VIEWER

Other than wearing eclipse viewing glasses, one safe way to view a solar eclipse is by using a pinhole viewer.

REMEMBER: you should never look directly at the sun without eye protection - including during an eclipse!

MATERIALS

- Shoe box or other small box
- Small pin (or pencil, for younger children)
- Scissors
- Aluminum Foil
- Tape

PROCEDURE

1. Use scissors to cut out a 2" square hole in one end of the small box.
2. Cut a 3"x 3" piece of aluminum foil. Use tape to completely cover the square hole with the piece of foil.
3. Use a pin or pencil to poke a small hole in the center of the foil square.
4. A few inches to the left or right of your foil square, cut a another 2" square hole.
5. Hold the box in front of you and stand facing away from the sun, using the open hole to view inside the box. You can refer to the diagram on the back of this page.

PRODUCED IN PARTNERSHIP WITH OCM BOCES

MAKE A PINHOLE VIEWER

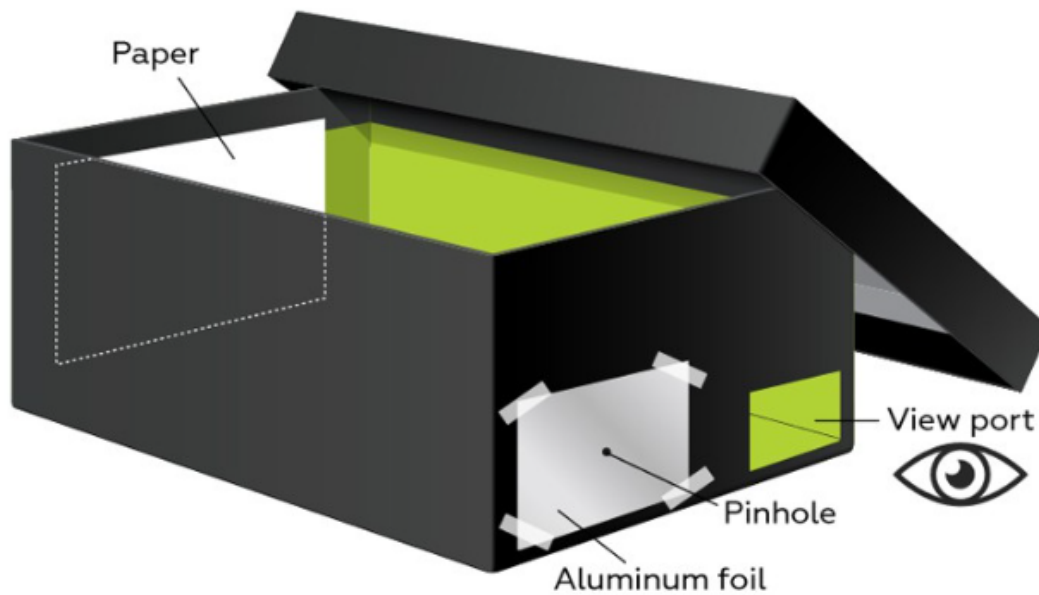


Image: NSTA

Look through the view port while facing away from the sun, making sure that the sunlight from behind you can reach the foil-square area. You will see a miniature image of the eclipse on the opposite side of the box!

Depending on the color of the inside of the box, you may want to attach a piece of white paper on the opposite side of your view port, as shown above.

PRODUCED IN PARTNERSHIP WITH OCM BOCES