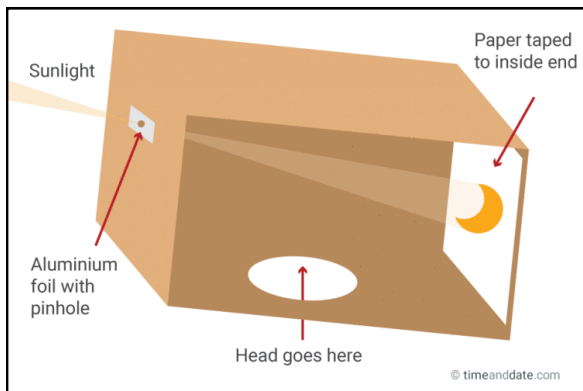


Make Your Own Eclipse Projector

Make a simple box projector to view the eclipse on August 21st.

This type of pinhole projector is sturdy, easy to set on a surface, and requires only household materials.



Safety First

- **Never look at the sun directly** without protective eye gear.
- Keep your back toward the sun while using the projector.
- Do not look at the sun through the pinhole.

Materials

- a long cardboard box or tube
- a pin or a thumbtack
- scissors
- a sharp knife or paper cutter
- duct tape
- a sheet of white paper
- aluminum foil

See reverse side for directions

Directions

1. Cut a rectangular hole at the end of the box.
2. Using scissors, cut a flat, un-creased piece of aluminum foil larger than the rectangle.
3. Tape the foil over the rectangular hole in the box.
4. Use the pin to poke a tiny hole in the center of the foil.
5. Tape the sheet of paper on the inside of the other end of the box.
6. Place the box over your head with the pinhole towards the sun. Adjust your position until you see a small projection, a negative image, of the eclipsed sun on the paper inside the box.

Using a Tube?

1. Cut one end of the tube and secure the foil with a pinhole to it with tape.
2. On the other end, tape a piece of white paper. Near this end, cut a rectangular viewing window.
3. When you're ready to view the eclipse, angle the end with the foil towards the sun and look through the viewing window at the other end.

Enjoy the eclipse on August 21st!
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and **eclipse information**.

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