

# NASA HEAT Pinhole Projector Activity

Pinhole projectors allowed early scientists to view the shapes of illuminated objects, like the Sun, by shining the light from the object through a very small hole, projecting the image of the object onto the ground, wall, or other flat surface. These are a great method for safe solar viewing.

Standing with your back toward the Sun, hold the map approximately one meter above the ground, out in front of you, to allow sunlight to shine through the holes in the 2D paper cut map onto the ground.

**Be sure that when using, the Sun is always behind you. Do NOT look at the Sun through the pinhole!**

## 2023 Annular Solar Eclipse US Pinhole Projector Activity



## 2024 Total Solar Eclipse US Pinhole Projector Activity

