

## How to Make a Pinhole Camera

Pinhole cameras were one of the earliest types of cameras. They use the principle of "camera obscura," in which light travels through a small hole in a dark box to form a picture. It's the same science that today's cameras use. Follow these instructions to make a pinhole "camera" and learn how real cameras work.

### You Will Need

- A cardboard box
- A pair of scissors
- Greaseproof paper
- Sellotape
- A sharp pencil

### Method

1. Firstly, use the point of a sharp pencil to punch a small hole in one of the shorter ends of the shoe box.
2. Once you have done that, draw a square in the opposite end of the box, directly across from the hole. The square should measure about 5cm on each side. Then, cut the square out.
3. Afterwards, use the Sellotape to tape the greaseproof paper over the square hole in your cardboard box.

You are now ready to use your pinhole camera. To do so, hold the box towards a light source, with the pinhole facing the light source and the greaseproof paper facing you. If the image is unclear, make the room darker and cover your head and the greaseproof paper end of the pinhole camera with your jumper.