

Mirror Box

Materials

- 3 square, plastic mirrors
- Tape
- Small objects to observe



Instructions

1. Arrange the mirrors to form a box, holding them in place with tape.
2. Place a small object on the base mirror and observe the reflections in the three mirrors. How many objects can you see?
3. Experiment with moving your hands and other objects inside the Mirror Box.

What happens?

A mirror is made of a very smooth, reflective surface. When light hits a mirror at a particular angle, it is reflected at the same angle. Placing three mirrors together in a Mirror Box allows the light to reflect a number of times from different mirrors, creating multiple images of the same object.

