

Here, following three demonstrations will be shown.

1. XYZ axes in the mirror

If you raises your right hand, your left hand will appear to go up in the mirror. Do you think mirror reflect reversely?

In this demonstration, we will make XYZ axes with the plastic rod and locate the axes in front of the plane mirror. we will show which axis's direction is reversed and why your left hand is viewed like your right hand in the mirror?

2. How we can we endure the flare of candle?

We can explore the magic show using Reflection of light in the plane glass. Here we prepare two candle, one of which is burning, but the other is not and between them a plane glass stand vertically. We will experience both of candle are burning and we can touch the flare of candlelight very long time, perhaps forever! How come?

3. Mirror writing

The most common modern usage of mirror writing can be found on the front of ambulances, where the word "AMBULANCE" is often written in very large mirrored text, so that drivers see the word the right way around in their rear-view mirror—and understand why they hear a loud siren behind them.

In this demonstration, we will give an answer about how mirror write the image of light.