



## Light Reflection & Vision Activity for Kids

### Hologram DIY



Duration: **60-120 min**



Difficulty: **Hard**



Cost: **\$0 to \$20**

Use light reflection to create an illusion that looks like a hologram!

### Material List

- 1 Video on a black background [like this one.](#)
- 1 Large screen, like an ipad/tablet
- 1 Sheet of clear plastic
- 1 Roll of tape
- 1 Box or dollhouse should be large enough for the sheet of clear plastic to fit inside diagonally

### Instructions

- 1 [Download this video for your tablet](#) or make your own on a black background.
  - 2 Cut a hole in the side of the box to fit your tablet. Tape it in place.
  - 3 Place the sheet of plastic diagonally inside the box and secure it with tape.
  - 4 View the video from the front, and adjust the room lighting to make it look realistic.
- Note:** This is the most difficult DIY on our website.

### How It Works

This may look like a high-tech effect, but we are simply using light reflection. The light from the video is reflected off the surface of the clear plastic. Since the plastic is at an angle, the reflection is visible from the front of the box. Since the plastic is also transparent, you can see through the image as well, giving it a ghostly effect.