

TAKE & MAKE SCIENCE

Sensory Sensations

@ Lansing Library

Household materials:

- Old toilet paper tube or paper towel tube, or a rolled up piece of paper

Hole in Your Hand

Your brain needs to put together the view from each eye to form one image. See what happens when you try that in this experiment!

1. Find an old toilet paper or paper towel tube, or roll up a piece of paper.
2. Hold the tube in your left hand in front of your left eye.
3. Look through the tube like it is a telescope but keep both eyes open. Choose an object in the distance to look at.
4. Then hold your right hand in front of your right eye, with your palm facing you, about 2 inches from your face, or just beyond your nose. Make sure your hand is next to or touching the tube.

Do you see a hole in your hand?

When you look through the tube and see a hole in your hand, you are seeing an optical illusion. The tube allows you to look into the distance with your left eye and to see your hand with your right eye. Your brain took what your left eye saw and put it together with what the right eye saw, forming one image. That image makes it seem like there's a hole in your hand.

CREDITS

- <https://www.ao.org/museum-education-healthy-vision/experiment-hole-in-your-hand>

