

MUSEUM OF PHOTOGRAPHIC ARTS

Becky Moores Center for Visual Learning

Making a Stereo Card

Objective

This activity provides the opportunity for participants to explore binocular vision, parallax, and convergence.

What you'll need:

- Digital camera
- Printer to make 4x6 prints
- 2-sided tape or glue stick
- 2 standard 3"x3" post-it notes
- Pencil
- Mat board or chipboard (like cereal box material) cut to 7" x 3.5"
- Plastic stereo card viewer (<http://www.berezin.com/3d/cardview.htm>)



Taking the Images:

1. Select a subject. The effect works best if there is some depth in your scene (foreground and background). You'll be cropping off some of the final print, so be sure to leave some room around the edges of your subject.
2. Position yourself with your digital camera to frame your subject as desired.
3. Lean and put your weight on your left foot to take the first image. Center your subject and shoot.
4. Now, keeping your feet planted, lean and put your weight on your right foot. Keep your subject centered in the frame and shoot your second image.

Making the Stereo Card:

1. Print your two images on 4x6 paper. Be sure to keep the first image you shot on the left and the second on the right!
2. Use your post-it notes as a cutting template. Place them over each image, making sure to center your subject, and cut around the edges.
3. Get your 7"x3.5" mat board and lay it in front of you. Place your 2 3"x3" images side by side and center them on the mat board. Once positioned, tape or glue them down.

You are now ready to view!

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Discussion questions:

- Why did we take the two images from slightly different perspectives?
- Look closely at each of your images? What is different between them?
- What might happen if we made the two images from farther apart? What if we just used two images that were exactly the same?
- How do you think the glasses help you to see the 3D effect?
- Which math concepts might be connected to this activity? How?