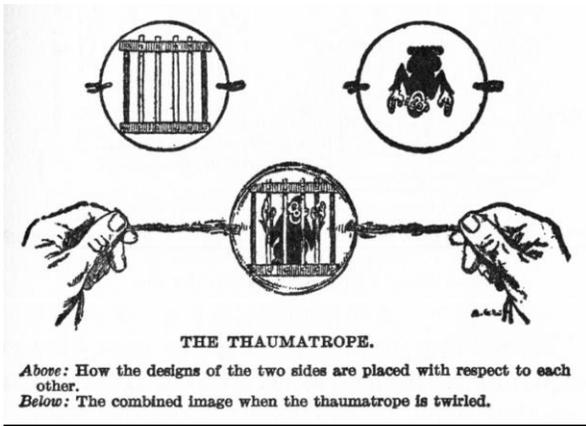
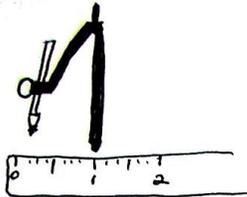


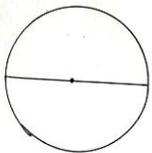
How To: Make a Thaumatrope



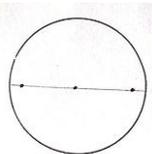
1. You will need: 2 small pieces of cardstock (notecards), scissors, compass, ruler, pencil, markers, and 2 rubber bands
2. Take your compass and measure out the width to 1 inch.



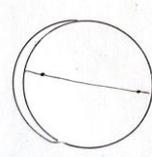
3. Draw 2 circles on your cardstock.
4. Take one of the circles. Mark a dot for the center. Use the ruler and draw a line through the center of the circle (diameter).



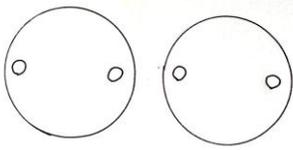
5. Draw a dot, just short of the edge, on either side of the line.



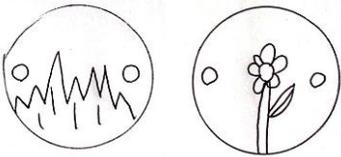
6. Stack your 2 circle together with the dotted circle on top.



7. Punch holes in the circles on top of the side dots.

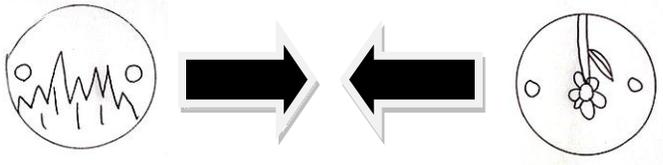


8. Think of what images you want on your thaumatrope. Simple works best. Draw your 1st image on one of your circles. Take your second circle and place it on top of the first one so the holes are lined up. If you can't see through the second card to the drawing on the first, hold both up to a light or to a window. Draw your second picture the way you want it to fit with the first picture in the finished thaumatrope.

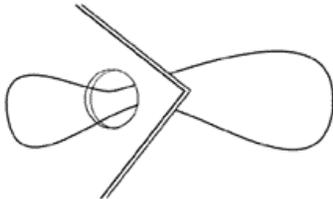


9. Color your circles. It is okay for the background to be white.

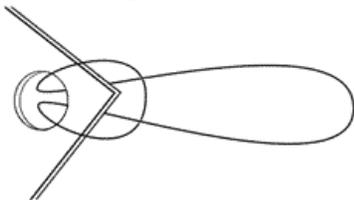
10. When you've finished both drawings, turn the second circle upside down and place it back to back with the first one. The side holes should match up. The top of the first drawing should now be back to back with the bottom of the second drawing and vice-versa.



11. To make handles, take a rubber band and thread it halfway through the holes on one end of the thaumatrope so that loops extend on either side.



12. Take one loop and thread it through the other, pulling it to create a half-hitch knot securely against the cards. Repeat steps 11 & 12 with a second rubber band for the handle on the other side of the thaumatrope.



13. Spin your thaumatrope to see what happens. You can make changes by removing the rubber bands and adding more to the drawings or coloring them in. You can go over your pencil lines with ink to make them bolder.

