

# BOWERS MUSEUM

*Bringing the World to You*



# ...at HOME!

Visit our new virtual portal, **BOWERS AT HOME**

[bowers.org/athome](http://bowers.org/athome)



Art Projects for the entire family,  
presented by Anne's Treasures



# ANNE'S TREASURES



## THAUMATROPE

Learn to make your own Thaumatrope, a precursor to modern-day animation.

### MATERIALS:

Cardstock, or thick paper

Pipe cleaners, or yarn

Scissors

Pencil

Hole puncher

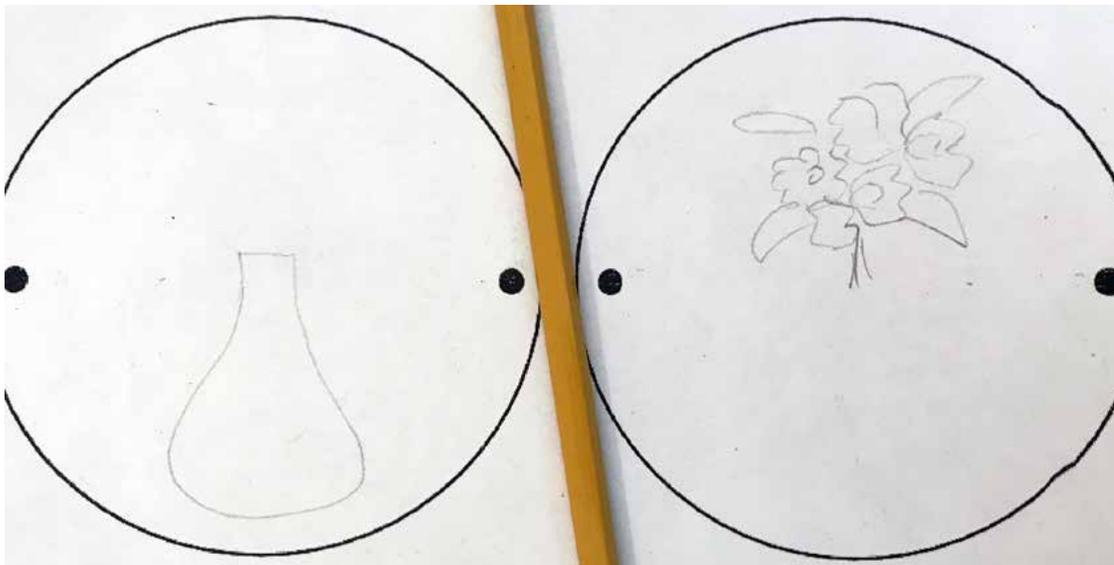
Markers or coloring pencils

### PROCEDURE:

1 Draw two circles of the same size on the paper, about 3 to 4 inches in diameter.

2 Decide on the image you want to have and split it into two images. (For example: a rose and a glass dome, flowers and a vase, a cone and ice cream, a bird and a cage.)

3 Measure where the drawings will line up, otherwise the illusion of a united image will fail.

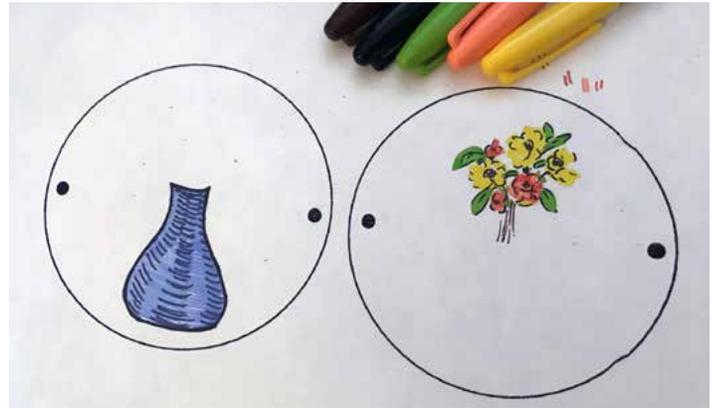


**THE THAUMATROPE** is an optical illusion device invented by John Ayrton Paris in 1820s England. The device demonstrates Persistence of Vision, in which the brain holds an image for a short time. When images are shown in quick succession, the images appear to blend together. This illusion is also seen when images move so quickly that they appear to move. Other similar inventions are the zoetrope, kinetoscope and the praxinoscope, all of which led to the creation of modern cinematography.

4

When you are finished drawing, color it in with the sharpies or coloring pencil. Outline it in black.

---



5

Cut out the circles and glue them back to back but flipped.

---



6

Hole punch the glued circles, evenly on both sides.

---



7

Cut the pipe cleaner in half, or gather the yarn you are using.

---

8

Tie the pipe cleaners, or yarn, through the holes at each side.

---

9

Try using the Thaumatrope by twisting the pipe cleaners between your fingers.



For more fun from home, follow us @bowersmuseum