

It's All in Your Mind



15 minutes

What You Will Do

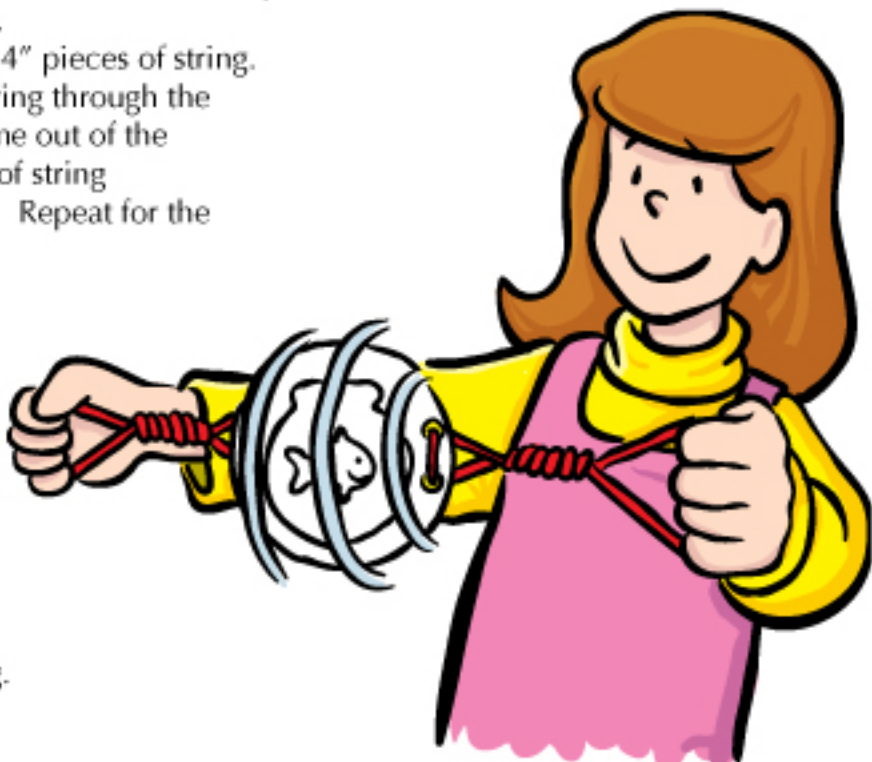
Demonstrate the overlapping of images in your mind.

Get it Together

- ◆ White poster board
- ◆ Pen
- ◆ Scissors
- ◆ Hole punch
- ◆ Ruler
- ◆ Thick string

Procedure

1. Draw and cut a 4" circle from the poster board.
2. Make 2 holes on each side of the circle with the hole punch. The holes at opposite sides of the poster board should be directly across from each other.
3. Measure and cut two 24" pieces of string.
4. Thread one piece of string through the holes so both ends come out of the same side. Each piece of string should extend out 12". Repeat for the other side.
5. Draw a large empty fishbowl on one side of the circle.
6. Draw a small fish on the center of the other side of the circle.
7. Hold the string and twirl the poster board around in a circle about 15 times in order to twist the string.
8. Pull the string straight out to spin the circle.



A Closer Look

You observe each picture as it passes in front of your eyes. Your mind retains the image of each picture for about $\frac{1}{16}$ of a second. The image of the bowl is still being retained when the image of the fish is projected to the brain. This causes an overlapping of the pictures in your mind, so the fish appears to be inside the bowl.