

## Thaumatrope

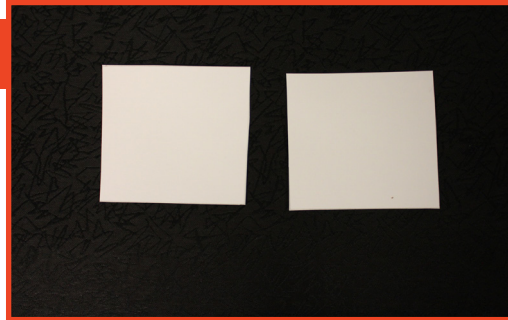
### Let's make a thaumatrope!

A *thaumatrope* is a scientific toy used to create an optical illusion. Optical Illusions can trick the eye into seeing something that is not really there—like magic! By rolling a thaumatrope rapidly between your hands, you can make two separate images appear as one moving image. Let's give it a try!

### Materials

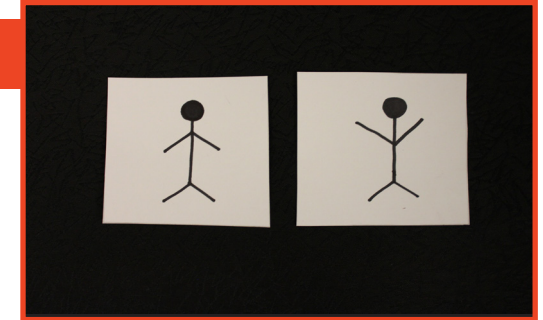
Card stock  
Ruler  
Scissors  
Black marker  
Round stick, coffee stirrer, or pencil  
Tape

1



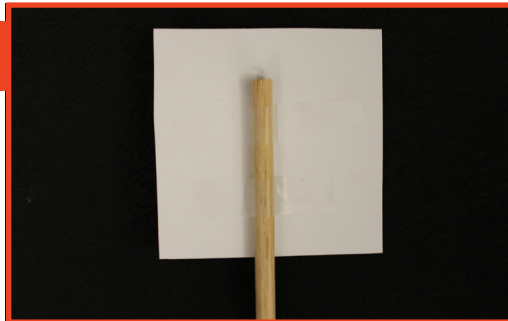
Use your ruler to measure two three-inch by three-inch squares. Cut them out with your scissors.

2



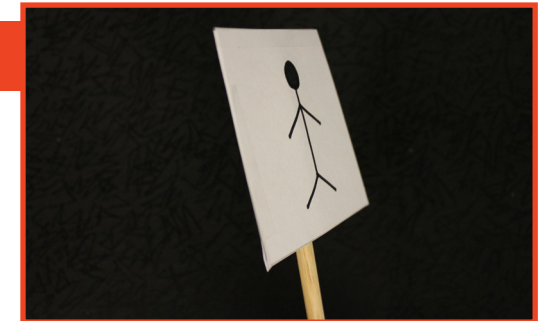
Draw two nearly identical figures, one in the center of each square. Make each figure do something slightly different with their arms.

3



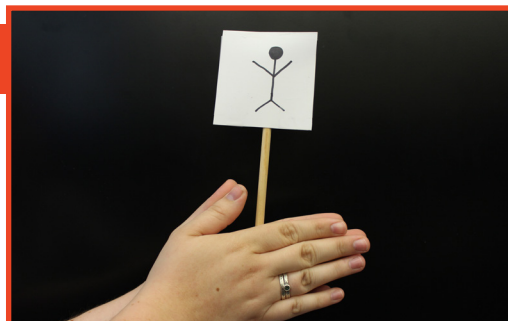
Securely tape the stick halfway up on the back of one of the squares.

4



Line up the two squares and tape them together.

5



Holding the stick between the palms of your hands, roll it back and forth. The figure will look like it's moving!

6



What other ideas do you have for a thaumatrope? The possibilities are endless!