

## Optical Illusion Magic Trick

*This fun and easy magic trick uses materials you may already have around your home.*

*Remember, it's always a good idea to practice at home first!*

### Suggested Materials:

- ❖ 1 x piece of standard office paper
- ❖ Felt-tip pen
- ❖ Ruler

### Suggested Instructions:



**Step 1:** At home, use your ruler and felt-tip pen to draw 2 straight 10cm lines on your piece of paper. Your lines should be about 3 cm apart and one line should be directly below the other.



**Step 2:** Hold your lines up to your "audience" to show that your lines are exactly the same length.



**Step 3:** On each end of your top line, draw a basic V-shaped arrow head.



**Step 4:** On each end of your bottom line, draw a V-shaped arrow head in reverse.



**Step 5:** Show your lines to your "audience" again. Do they still look like they are the same length or does your bottom line now magically look longer than your top line?



**Step 6:** Choose a volunteer from your "audience" to measure your lines to prove that both lines are still exactly the same length. What an amazing optical illusion!



**Step 7:** At school, repeat Step 1 to Step 6.