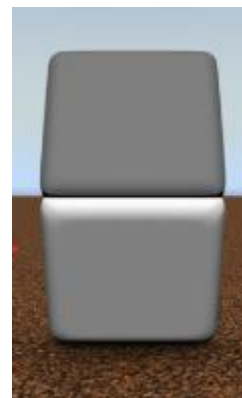


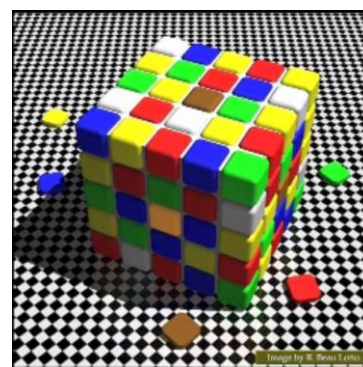
“Watch This!” from *Brain Games*

Beau Lotto – has an illusion website <http://www.lottolab.org/>

1. How does the brain use shadow and/or context to perceive the world?



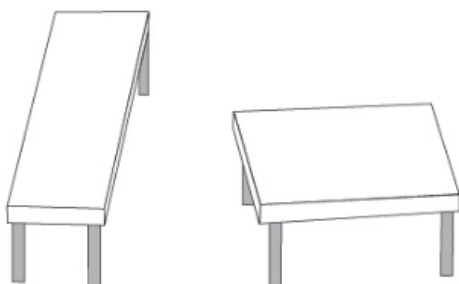
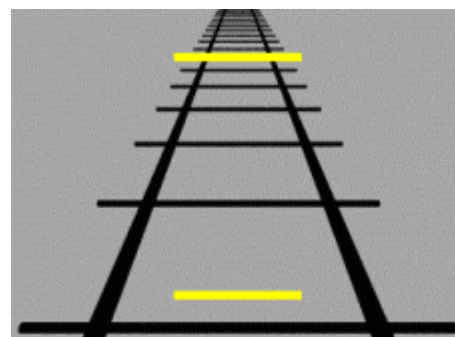
2. How does the cube give evidence that color perception is in the mind? **Bas Rokers**, U of Wisconsin, Madison



3. The **PONZO ILLUSION** works because our brain believes...

As lines converge or meet in the distance, our brain believes those objects should look smaller.

Using this understanding.... ANSWER - Because the table on the left has lines that move straight back, our brain believes that table is...



4. Perceiving movement is something that our _____ does

Illusions of motion

How can you tell **movement** is detected in your brain and not your eye?

Jonah Lehrer

5. What is the role of **mirror neurons**?

In perception of people? In perception of pain?

6. Explain **The McGurk Effect – GA – FA – BA – or visual capture**

Josh McDermott, *now at MIT* and Lera Boroditsky, University of CA, San Diego

Use the “illusions of speech” or context of letters as a way to explain “top down” processing or perception. Perception is INTERPRETING - something our brain does. “ToP down” processing is when the brain attempts to ascertain the big Picture or interPret the stimuli.

Daniel Kish, blind *How might his brain be different?*