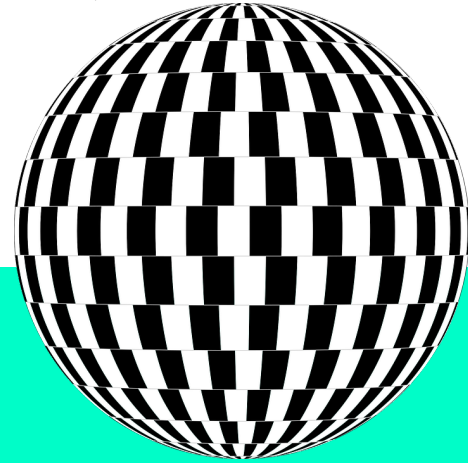
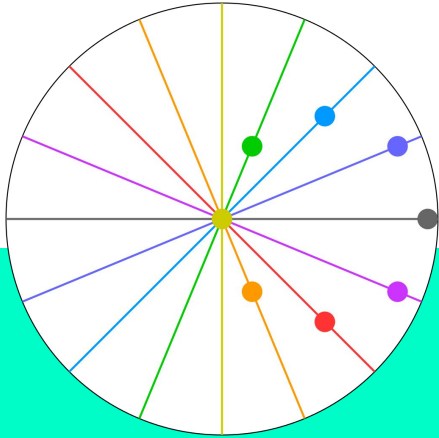




OPTICAL ILLUSIONS



BY AKSHAYA GADAMSETTY

GUIDING QUESTIONS

1. WHAT IS AN OPTICAL ILLUSION?
2. HOW DOES AN OPTICAL ILLUSION WORK?
3. WHAT ARE DIFFERENT TYPES OF OPTICAL ILLUSIONS?

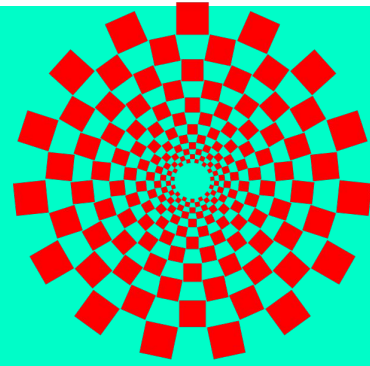
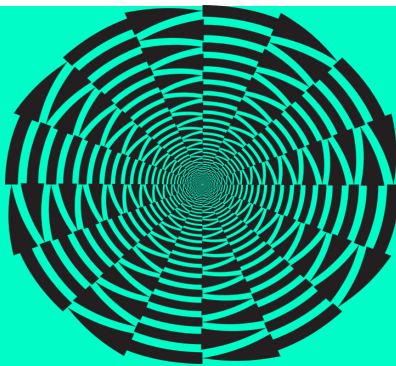
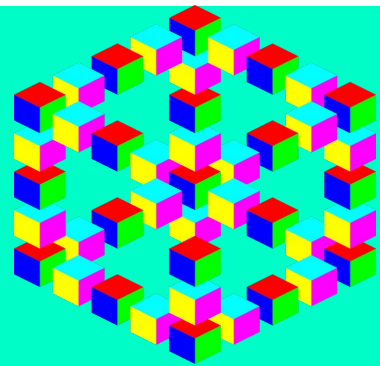
PREDICTION

I THINK AN OPTICAL ILLUSION IS SOMETHING THAT TRICKS YOUR EYE. SOME ILLUSIONS MAKES YOU THINK IT'S MOVING OR ROTATING, BUT ACTUALLY IT'S NOT. I FEEL LIKE THERE IS SOME MAGIC IN THAT.



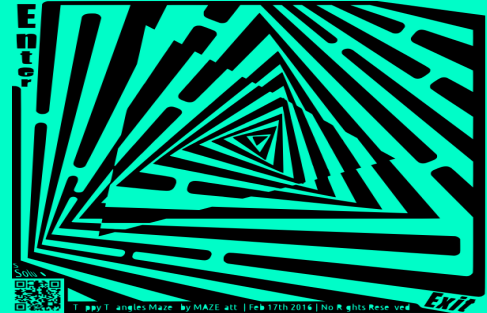
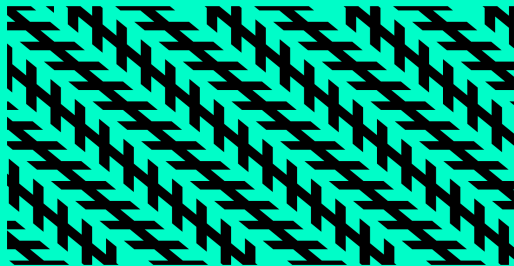
WHAT IS AN OPTICAL ILLUSION?

AN OPTICAL ILLUSION IS A PICTURE USING COLORS, SHAPES AND PATTERNS THAT DECEIVES YOUR EYES. IT MISLEADS THAT IMAGE TO THE BRAIN AND MAKES IT THINK THAT IT IS NOT THE IMAGE IT REALLY IS. YOU UNDERSTAND ANY PICTURE BY USING YOUR BRAIN. OPTICAL ILLUSIONS SIMPLY TRICK YOUR BRAINS INTO THINKING SOMETHING ELSE.



HOW DOES A OPTICAL ILLUSION WORK?

AN OPTICAL ILLUSION WORKS BY USING VISUAL TRICKS, THAT EXPLOIT CERTAIN ASSUMPTIONS WITHIN HUMAN PERCEPTION. THIS IS WHAT TRICKS US, BY MAKING IT LOOK LIKE SOMETHING, BUT LETTING US NOT UNDERSTAND. YOUR BRAIN MIGHT BE TIRED SO IT WILL TAKE SHORTCUTS TO TRY TO UNDERSTAND THE PICTURE.



DIFFERENT TYPES OF OPTICAL ILLUSIONS

1. MOTION ILLUSIONS

A MOTION ILLUSION IS A PICTURE THAT MOVES IN SOME WAY.

2. PHYSIOLOGICAL ILLUSIONS

A PHYSIOLOGICAL ILLUSION IS A PICTURE THAT SIMULATES THE BRAIN.

3. COGNITIVE ILLUSIONS

A ILLUSION THAT IS CONFUSING FOR THE BRAIN TO UNDERSTAND.

RESOURCES

<https://www.insidescience.org/video/how-do-optical-illusions-work>

<https://www.verywellmind.com/optical-illusions-4020333>

<https://www.cleareyes.com/eye-care-blog/201804/how-optical-illusions-work/>

<https://theconversation.com/curious-kids-how-does-an-optical-illusion-work-123008>

<https://sciencestruck.com/types-of-optical-illusions>

<https://www.optics4kids.org/illusions>

CONCLUSION

MY PREDICTION WAS WRONG AS THERE IS NO MAGIC IN OPTICAL ILLUSIONS.
IT'S BASICALLY MAKING PICTURES THAT CONFUSES YOUR BRAIN. YOUR BRAIN
ASSUMES SOMETHING DIFFERENT THAN WHAT THE PICTURE IS.

