



Science - Summer 2 Week 6



Optical Illusions

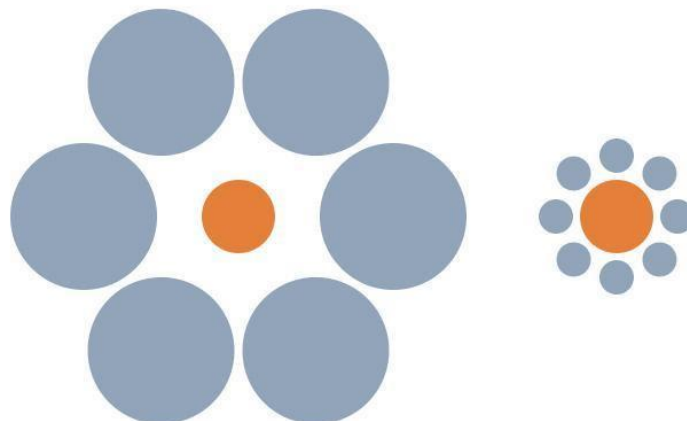
What is an Optical Illusion?

Optical Illusions can use colour, light and patterns to create images that can be deceptive or misleading to our brains. The information gathered by the eye is processed by the brain, creating a perception that in reality, does not match the true image. Perception refers to the interpretation of what we take in through our eyes. Optical illusions occur because our brain is trying to interpret what we see and make sense of the world around us. Optical illusions simply trick our brains into seeing things which may or may not be real.

Do you see a rabbit or a duck?



Which orange circle is bigger?



(They are both the same size!)

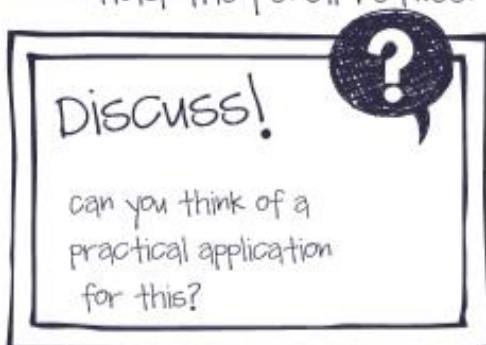
Task

This clever optical illusion lets you turn two pictures into one. If you draw two pictures and spin them very quickly, it gives the illusion of one picture.



Method!

- cut out two shapes from a sheet of white cardboard.
- Draw a fish tank on one shape and fish on the other.
- Glue or sellotape a pencil between the two pictures.
- Hold the pencil between your palms and spin around.



Extension Tasks...

- can you draw different illusion?
How about a chick and an egg?

Useful websites to find out more information about optical illusions.

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

<https://designpress.com/inspiration/optical-illusions-for-kids/>

<https://sciencebob.com/see-some-optical-illusions/>

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