Unit 3 Assignment:
The Science of Optical Illusions

As humans, we like to think of ourselves as pretty smart, but our brains can still be easily fooled by optical illusions! In this assignment you will choose an optical illusion to study and try to understand the Science behind why it is able to fool us. You will create an information poster with a cover that lifts to reveal background information on the optical illusion. This assignment is to be done individually.

Below are the components you will be evaluated on:

A. Choice of Optical Illusion
Keep the following in mind when choosing your illusion:

☐ Is the optical illusion you chose appropriate for this assignment?
☐ You can choose any image, video, object or any other type of optical illusion, as long as you’ll be able to find the necessary information on it.
☐ Check with the teacher if you are unsure if your choice is appropriate.

Description/name of illusion: ____________________________________________________________
_______________________________________________________________________________________

B. Cover Page
The cover page will include an image of your illusion (make sure it is printed in colour if colour is important to the illusion). If your illusion isn’t an image, make sure to include a title with a link or description.

☐ Image of optical illusion included
   (or if another type of media then a link or description is included) /5K

C. Information and Analysis
Include the following on the inside of your poster. All parts should be written in paragraph form.

☐ Description: describe illusion (and what you are supposed to see). Is there a name for this type of illusion? /5T
☐ Origin: of illusion. Who created it, when, why etc... /3T
☐ Analysis: Written in paragraph form. You will need to do some research to find an answer to this.
   Should address the following: /10T
   o What does the illusion fool? Your brain? Your eyes? Another sense?
   o How does the illusion fool you? Is there a scientific theory behind it?
   o Describe any other cases where you can be fooled in the same way
   o Share any other interesting facts about this type of illusion

D. Overall Communication
☐ Professionalism: submitted on time, complete and in good condition /7C
☐ Citations: included in text as well as list of sources at bottom of page /5C
☐ Grammar and Spelling /3C
☐ Visually appealing product /5C

Comments:

Total: /10 K /18 T /20 C

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Poster Template

Front page

Image of illusion (and description if necessary)
If it’s a video, provide a title and link (or QR code)

Inside
(covers folds up like a Christmas card to reveal information inside)

Description
This is my description of the illusion I chose. It should be a few sentences long explaining the illusion. If I found the information from a website, I should include a footnote like this: [1]

Origin
This is where I described where/who/why etc. of the illusion. It should be a few sentences long. If I found the information from a website, I should include a footnote like this: [2]

Analysis
This is where you discuss the science behind why the illusion works. Follow the questions in the marking scheme on the previous page. If I found the information from a website, I should include a footnote like this: [3]

Sources

My Name