

Tala and Nusayba:  
Almadina Language Charter Academy  
Grade 9  
2024-2025

Jan 8, 2025

Ideas:

- The neuropsychological effects of doing the art
- The neuropsychological effects of seeing art
- The neuropsychological effects of different art styles on people

We chose the impact of art on the mind

Feb 19, 2025

- Question: What are the neuropsychological effects of different art styles and components on people?
- Hypothesis: If various people with certain backgrounds and experiences are shown different art styles and art components, they will experience different emotions and associate these emotions with personal experiences.
- We're gonna do an experiment where we show people different art and ask them questions about how they feel, explaining why they feel that way
- Researched about the basic components of the brain and how visual information is generally analyzed (starting with retinas)
- Looked at various articles and websites about detailed information on neuroanatomy

Feb 25, 2025:

- We researched studies and articles written about the psychology behind seeing art
- A researcher at Harvard said that art is a way of understanding ourselves
- An experiment was done and it showed that art usually brings good feelings not bad ones
- An artist and a non-artist drew what they think emotions look like and they had similar drawings like they both drew anger red and in the lines portion they both had harsh intersecting lines
- Colours show emotions better in my opinion
- Looked at detailed explanations of how visual information goes from retinas to primary visual cortex and learnt the long process. This includes photoreceptor cells, optic chiasm, LGN layers (magnocellular, parvocellular, koniocellular).
- Brain lobes: Frontal, Parietal, Occipital, Temporal

March 3 2025:

- There was a blog about an artwork. It was a piece about a grandfather dying and there was a lot of black and lots of people with a skeletal man on his death bed. The author of

the blog said that when she saw it she thought of her grandpa when he had a stroke and related it to her own experience so this shows how our brains try to relate to art and how art can trigger certain emotions and memories.

- Primary visual cortex and its parts (V1, V1, V3, V4, V5)

#### March 9, 2025:

- Started researching the psychological portion of art in the mind
- Art looks different to everyone because we see our relationship with art
- Art and perception is a way of self expression
- We naturally associate colours with emotion like when we see art work with a lot of dark colours, people tend to feel down or perceive the art as a somber piece
- When colours are light they feel happier or more relaxed
- Dim colours can make an atmosphere in the art
- our perceptions of art are influenced by how our minds relate colours and shapes to personal emotions and experiences.
- More information about primary visual cortex features

#### March 11, 2025:

- We see art through our personal lens and interpret it differently because of past experiences or how we think
- Art can be a psychological stimuli
- Theories circled about the wavelengths of different colours affecting how we feel for example long wavelengths can be stimulating and warm and short wavelengths can be relaxing or cool
- I think if people use bright colours opposed to pastel and light colours then it ignites different emotions
- Limbic System (Main components for visual information analysis)

#### March 14, 2025:

- We chose 4 artworks from google and we're going to ask people how they feel about them then combine the results
- Looking at more information to put on trifold

#### March 16, 2025:

- We're wrapping up our project online but we still have to do the trifold

#### March 20, 2025:

- I asked family members and friends how they felt about the 4 artworks I chose and their answers were similar but there were some variations that showed how they interpreted it differently and it showed their character
- Ex: One of them overcomplicated it, asked many questions, and looked at it like a math problem, while one looked at the overall picture and was simple about her explanations.

- Ex: Another also looked at the details (maybe because she is also a young artist) and explained in detail why even the smallest of strokes matter to evoke emotions
- This might be because the former is an engineer, so he related it to his life and what he does.
- Younger people tend to see art how it is while older people tend to analyze all the components
- Created a data graph
- Finishing everything and doing conclusion and adding whatever else