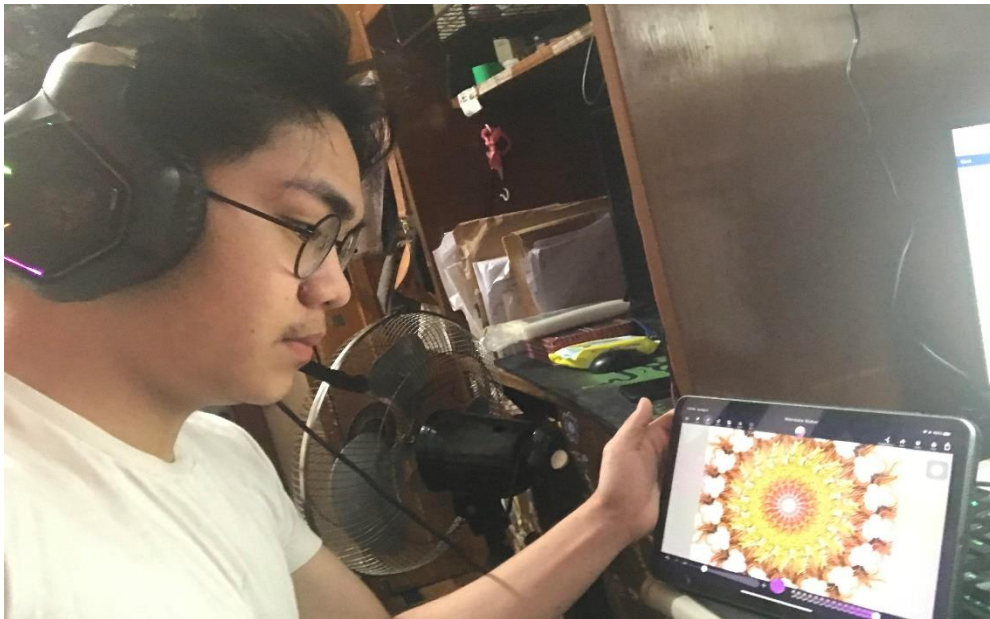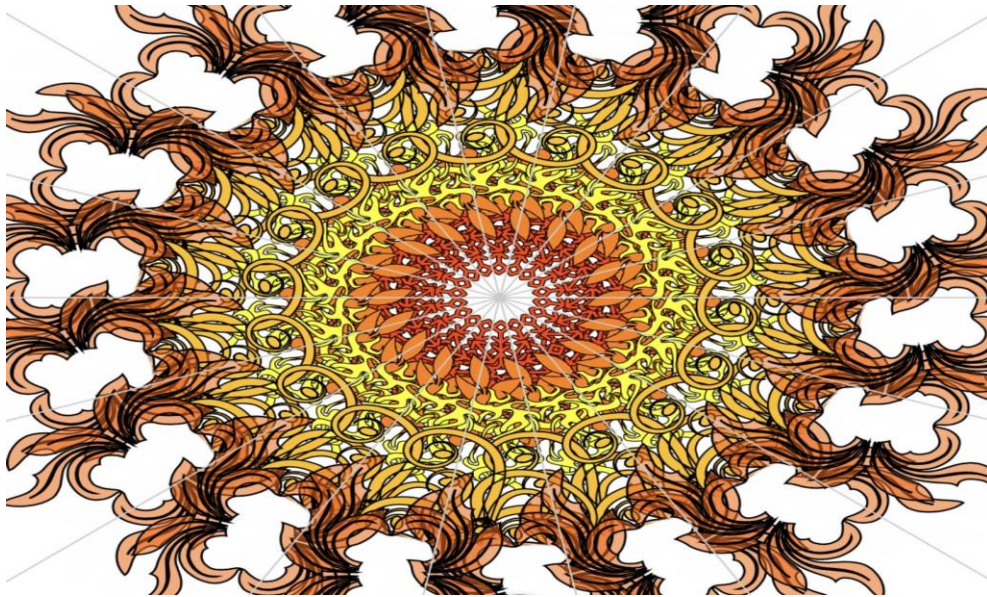Output#1

Hans Miguel S Ubana
BSIT-1

My Mandala

Reflection:

When I work on my Output#1 It was a challenge for me because I am not a creative person especially when using paper, pencil, or pen that's why I chose to make my Mandala on my Ipad because it's way easier for me to work with technology. I want my Mandala to be beautiful as I have Imagine in my head. In doing this project I had a rough time making on it because it requires subscription on the app and there is no undo or redo when you don't subscribe. I just put my all effort and when I make a mistake I will just repeat and delete my project then make a new one It's challenging for me because what you work for it will just be gone if you just make one mistake. Also while doing my Mandala it's not all about solving numbers, and etc. but also showing how creative you are on making shapes and patterns.

A Reflection on

Documentary on Decoding the Secret Patterns of Nature – Fibonacci Sequence

and the Golden Ratio &amp; Pi.

Link : https://www.youtube.com/watch?v=lXyCRP871VI

Places You Won&#39;t Believe the Golden Ratio &amp; Fibonacci Sequence Appears

Link : https://www.youtube.com/watch?v=RqqErDSLtwE

1. What new ideas about mathematics did you learn?

- Based on the 2 videos that I have watched, Mathematics is everywhere even on the most unexpected places you will encounter because of their shapes, patterns, structures, figures, and etc. Some theories from the person who studied Mathematics might not be true or applicable because Math is full of Trial and Error. Math help us to live easy and discover amazing things that we do not know yet through analyzing we can do anything we want and discover new things that will improve our lives.

2. What is it about mathematics that might have changed your thoughts about it?

- After watching the 2 videos that I just have watched we are born with math already applied in our world since we live with full of Technologies which is = Math at first I didn't know that Math is everywhere I thought that we study Math so we can avoid on getting tricked on the usage of Money, Stocks and all but it also can relate on our Technology and Everything.

3. What is most useful about mathematics for humankind?

- Mathematics is very useful in our everyday life because it is a step by step process that uses all of our brain cells to solve a critical problem that help us to improve our critical thinking skills. Math has opened our eyes to see what is beyond technology that we are using now that we have

discovered together with science nothing can go wrong when discovering new things that will help that humankind on every problem we will face.

A Reflection on Fractals Link:

https://www.youtube.com/watch?v=56gzV0od6DU

Mandelbrot Fractal Zoom https://www.youtube.com/watch?v=Ujvy-DEA-UM

1.  What new ideas about mathematics did you learn?

-   Mandelbrot Fractals is a set of an iteration which means it is a process that continuously repeated over and over again. In short Mandelbrot Fractal's is an infinite pattern through tress, animals, and numbers, etc. It is also one of the well-known set of example for fractals that can be found in different devices, apps and video games that is programmed with a set of an infinite combination of numbers and codes in order to make a sequence.