

Mathemalchemy Project

I will start by saying that I truly had no idea what I was going to do for this project. I felt creatively bankrupt leading up to this project, but as the due date crept ever closer I took a new perspective. In my opinion, Mathemalchemy is perfect. Everything blends seamlessly into an amazing piece of art. I do not think that I could come up with something that could improve the exhibit.

After many stressful days and nights of brainstorming, I finally came up with the idea of creating a small gallery of images of things I observed in the world around me that employed some of the mathematical concepts that we went over in class. Some of these are plants, others are man-made objects, and some are art. The images I found include the following: A chainlink fence which reminds me of one of the wallpaper patterns from problem 4 on exam 2, a logo for a piece of exercise equipment that looks like wallpaper pattern D6, a set of polyhedral dice which of course are the platonic solids, a little sculpture of an icosahedron, a couple of spirals in the background of a SpongeBob episode that reminded me of Fibonacci spirals (and the number six - six fish!), and finally a regular 3 leaf clover which looks like a trefoil knot (with a bonus four leaf clover that I found while looking at clovers in my yard for this project!)

My idea for an addition to Mathemalchemy then would be to somehow incorporate these everyday objects into the exhibit. Perhaps an area could be the trefoil field, a field of clovers that are all little trefoil knots. Or maybe even a whole greenhouse called Fibonacci's Flora, featuring pineapples, pine cones, and any other plants that grow with Fibonacci spirals and numbers. There could be a place called Fedorov's Wallpaper Emporium where they sell all kinds of wallpapers that follow Fedorov's seventeen original patterns.

I'm not sure how the other things could be incorporated as there are already some pretty "solid" examples of platonic solids in Mathemalchemy, but I still thought I would include them as I never really noticed before just how often I see many of these concepts out in the world around me, and this collection was just of things I noticed over 2 weeks of specifically looking for them! I hope everyone enjoys my little gallery, as simple as it may be!

Images in order of appearance:

- Spongebob Fibonacci Spirals
- Wallpaper pattern D6 pilates ring
- Platonic solids dice
- Exam 2 Problem 4 wallpaper pattern chainlink fence
- Trefoil Knot 3 leaf clover
- Bonus 4 leaf clover for good luck
- Icosahedron sculpture















