During the process of using coding to make patterns and images was tough, but easier to understand as time went by. There were many things I progressed in, and other things I’m still working on. I had to change many functions or switch things around to make it look how I wanted it to. There were also some parts where I didn’t like where my pattern was heading or thought it was too basic. There were others where I really liked how everything turned out, and it made me understand how to arrange the patterns more.

The pixel art and 4 objects were easier assignments to make because they were more simple and easiest to understand. The pixel art I recreated using an image of Mario, the video game character. I used about the same colors to make my own, and tried organizing it right to make it look like the character. The 4 objects were easy as well because they were just blocks that I could try to duplicate, and place in the right coordinates. Both of these projects were easier to understand for me in the beginning because it helped me understand the concept more.

The 4 objects assignment was probably the easiest just because we worked with very basic blocks and structures. We started working with open level one on the grid layer-lite website, at first it was difficult to find out how and where to put the coordinates. The 5 objects around the school was like the 4 objects assignment except they were a little harder because we had to make actual objects from around the school. Making sure I put the right colors in the right area was kind of hard just because I wanted my picture to look the same on the image. So far, these projects were easy with these two projects on the grid.

The flag project was a bit easier than the all functions assignment because for the flag I just used 2 basic colors, and then repeated them. I used Put 2D to make a white rectangle as the base of the flag and then used the circle function to make a red circle in the middle to make a Japanese flag. Then afterwards I repeated it throughout the whole grid. The All Functions assignment was more difficult but also fun because we got to choose what pattern to make, but it was difficult finding out where I can put all the functions on the pattern, and I ended up loving the results. I put all the functions into one big one, then repeated it also throughout the whole grid, just like the flag project.

The S curve, real image, and ring, circle pattern were more difficult projects to make just because they were all very different from the rest of the projects. The Ring/Circle project was difficult because I had a hard time deciding how I would first start the pattern. I ended up using the circle function, started a black one then shrinking it as I kept repeating the pattern to make a sort of spiral image. For the real image, I copied the Cartoon Network logo, but it was a bit harder than I thought because I tried making the letter C rounder, but I couldn’t.

All these projects were great practice for me to use coding. I feel like I got more comfortable and faster at creating these images and codes. It was hard at first learning all the different functions and concepts to make my images, but through time the process I got much better. My least favorite project was the Real image because it didn’t turn out the way I wanted it to. The project I enjoyed the most was the all functions, I had the ability to make any patter I wanted using all the functions. Overall, I enjoyed using the grid and bricklayer-lite, it really helped through time to help me become better.