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Creative Project on the Fourth Dimension
Reflection/Explanation

The Escher Cube

I consider myself to be a very creative person, and I enjoy to make things and work on projects, but never before have I worked with the fourth dimension. I was stumped. I knew that I wanted to either draw or construct a representation of the fourth dimension, but I wanted it to be as mathematical as possible, so I didn't quite know where to start. I got on the Internet and checked all the sites for the class and then every single other site (almost) that has anything to do with anything about the fourth dimension. I found that there are a lot of interesting people that put things on the Internet, and I found some interesting work by one of my favorite artists, M.C. Escher.

I am always so surprised when I look at an Escher work. No matter how many times I have seen the same picture before, something always catches my eye and it's a totally new picture. The one that I found that struck me was "Another World II." This was the first time that I had viewed it since I had learned about the fourth dimension, so it took on a whole new meaning. Like the house in "And He Built a Crooked House," there is an entirely different perspective out each window. The central bird figure is shown in more than one panel, like the characters in the story who see themselves through the window. I noticed also that the perspective of the entire picture created a square in the center of a larger square, or the interior of a box. It reminded me of the drawings of hypercubes in the textbook, so I decided to construct a hypercube using the picture for the faces.

It's definitely an interesting piece... not exactly what I planned, but I think it gives a new perspective to the original drawing because it is a three dimensional representation of a four dimensional object, constructed of two dimension representations of a four dimensional world.