**SolidWorks Personal Project**

**Disc Golf Target**

I chose to do my personal CAD project on a disc golf target. I decided to build a target because of how much I enjoy playing disc golf. During the summer, when the weather is nice, disc golf is a fun activity for me and my friends to do in our spare time. While constructing the disc golf target, the most difficult part for me was making the disc basket and chains. The disc basket was tough because I had to angle it and adjust the size of the rings in order to mate correctly. Making the chains was difficult since I had to mate each one individually. Since the chains would move as I moved one chain since they were all mated, I had to individually fix each chain in its spot so it wouldn’t move. In general, the whole process was very tedious as there were so many mates in order for the entire structure to look the way it does. I used many of the features we learned in class such as extruding, revolve and sweeping and the new feature I learned while building the disc golf target was the ability to use the circular pattern for mates. This made constructing the basket and chains much easier as I only had to build one set, from which I was able to set the number I wanted (12) in a circular pattern which were equally spaced out. This project relates to my interests as when I was in High School and back home, we had a very good disc golf course very close and I would go often to play with my friends or even in tournaments. Disc golf is very similar to regular golf except you throw a disc into the chains and basket instead of hitting the ball into a hole. The building of the disc golf target further enhanced my knowledge of solidworks since I was able to discover many other ways of doing something and shortcuts to the processes that I used to believe took very long. Below are pictures of my project along with the original product used in real life.