

### **Solid Works Narrative:**

For my CAD assignment, I decided to build a snowman. Being that this project was due in the beginning of December, I thought it would be festive to create a snowman in SolidWorks. I always built snowmen with my siblings when I was younger, which also contributed to why I decided to create a personalized snowman on SolidWorks. I figured it would be a fun object to create.

The most challenging aspect of this project was the mating component. I had to mate the nose, eyes, and mouth to the round surface of the snowman's head. This was difficult because I was unfamiliar with mating a cylinder surface (the button eyes) to a spherical surface (the head). I ultimately had to create numerous reference planes in order to accomplish the proper assembly of the snowman. I then was able to mate the components to each individual reference plane. This was more time consuming than I originally planned, and took a lot of precision on my part.

This assignment taught me to think outside of the box to reach a goal. I learned how to make reference planes in order to mate properly. This is an important SolidWorks skill, which I can use in the future. All in all, the project was fun although it was time-consuming and tedious.

