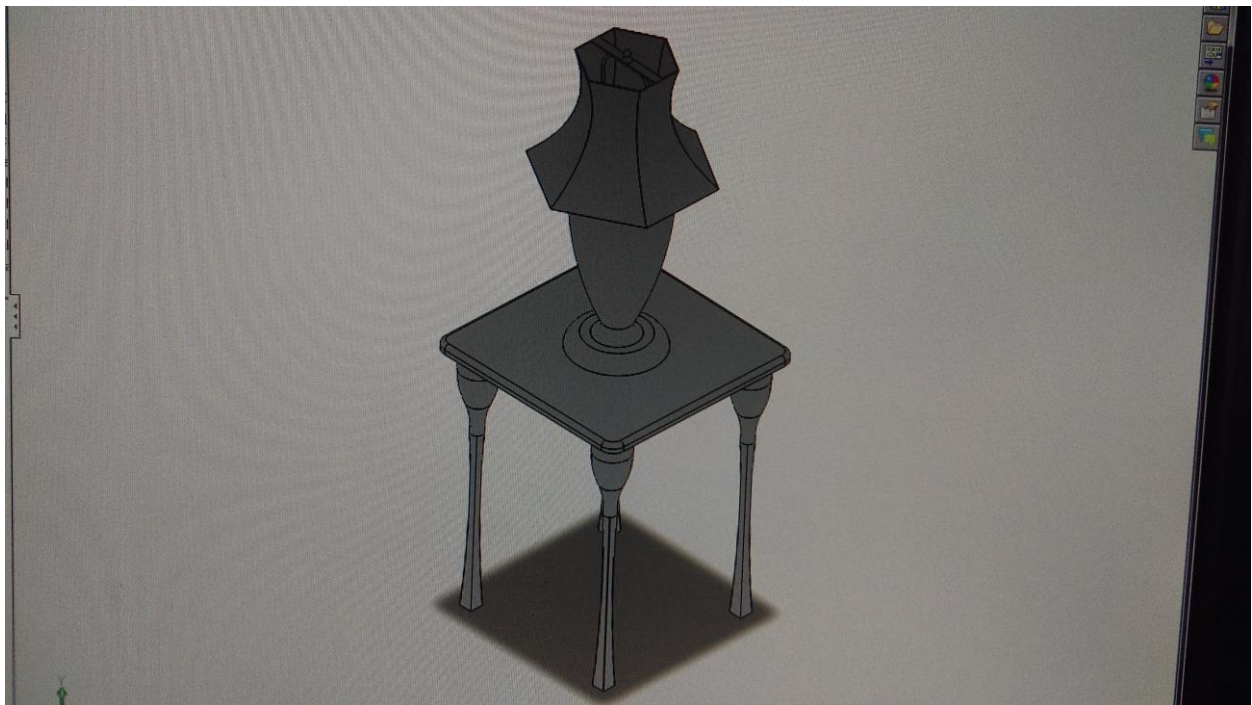
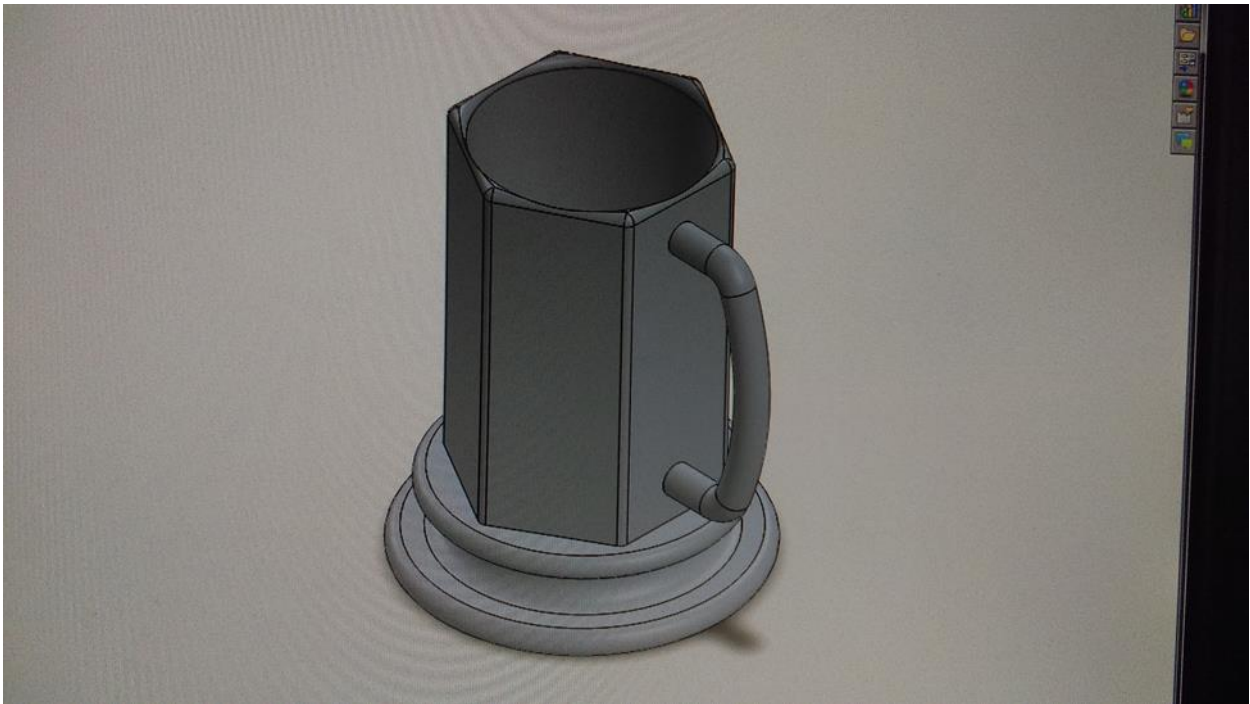
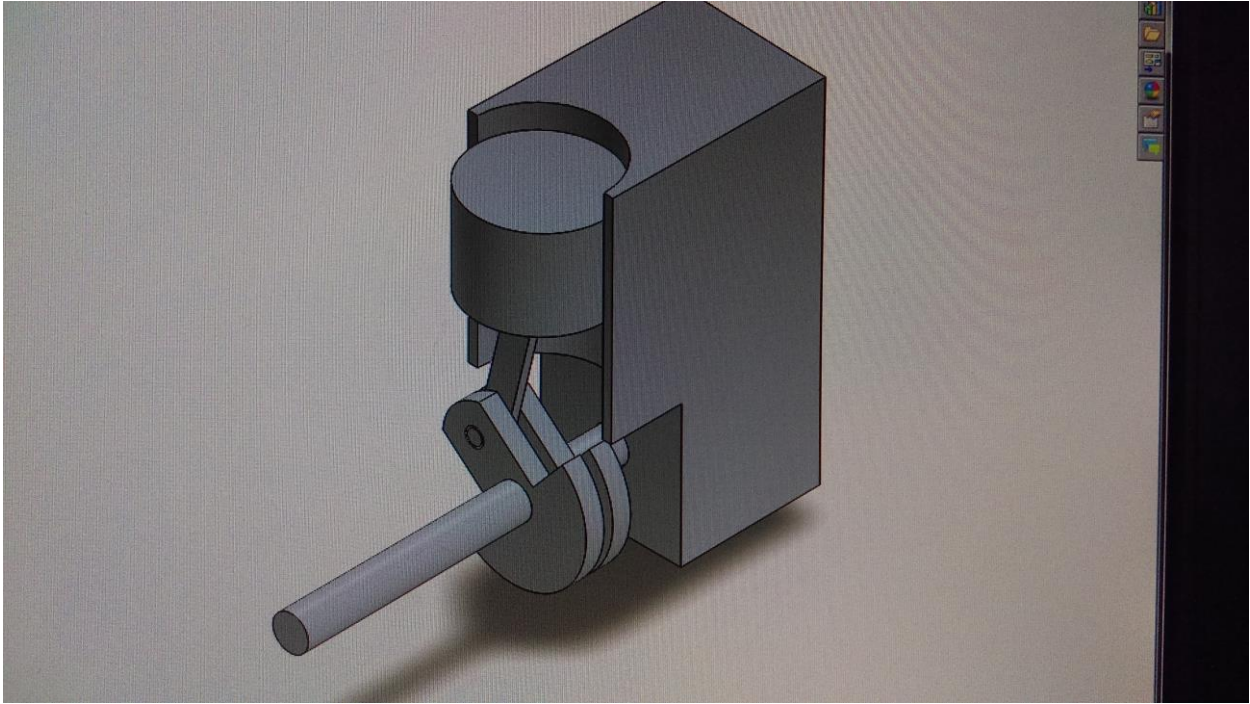


CAD LAB

During this semester, part of the course involved us to learn the computer software named solid works. Solid works is used to design three dimensional objects using various functions. For a majority of the class this was a new process and it was a major learning curve. There were many features that we had to learn in order to create the designs that we were assigned to create. The features that we had to use included, extruded boss/base, revolved boss/base, sweep, loft, extrude cut, fillet and shell, just to name a few. We were assigned tutorials and homework assignments to learn the features and perfect our skills that we learned throughout the semester. We learned how to make parts, assemblies and drawings. At the end of the semester, we had to finish a final project to incorporate all of the skills we learned throughout the semester. Here are some examples of what I learned throughout the semester!

HOMEWORK EXAMPLES





FINAL PROJECT

For the final project, we could choose a random topic and contain at least five different parts. Then we had to create an assembly and a drawing for the project. The parts had to include the features: extrude base/cut, revolve, sweep, fillet/chamfer, loft and shell. The assembly had to have at least five mates. The mates could include, coincident, concentric, and tangent. Then for the drawing portion of the project, we had to make a drawing for two parts and the final assembly. The dimensions must be included. Overall the project was really fun and I created a chair!

