

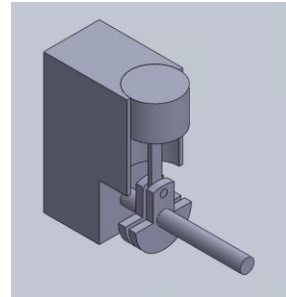
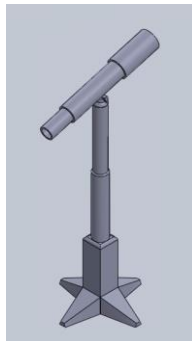
CAD Lab

In our Engineering Design class, we used the software SolidWorks to create 3-D models of objects and assemblies



Features:

- SolidWorks has numerous features to model objects; we learned about the Extruded Base/Cut, Revolve, Sweep, Loft, Shell, and Fillet features to name some
- We used SolidWorks to create numerous projects, such as a mug, a simple piston and crank, and a telescope
- Two most important features of SolidWorks is assembly and drawing



Assembly:

- An assembly uses different SolidWorks parts and allows the user to put the parts together using the “mate” feature
- The “mate” feature in an assembly creates relations between parts, including planes, faces, and edges

Drawing:

- SolidWorks has a feature that draws the multi and isometric view of a part or assembly

