SolidWorks Baseball Field
I chose to make a baseball field as my solid works personal project. Growing up baseball was one of the most important parts of my life as I was always on multiple teams. I thought it would be a challenge and also rewarding to make a baseball field. I thought I could learn more about the dimensioning of fields and also challenge myself in building it in solid works. I wanted this project to be something that I am interested in so that I wouldn’t mind the hours it would take to make it.

I started out with the infield, which was a real challenge to get the edge of the infield to the right dimensions. I used an extrude and made the grass and dirt different heights. I then used a revolve to make the mound off of the grass. I then used the convert entities tool that I never used before but was very useful. I made the outer edge of the infield a line then extruded out for the outfield. I used the spline tool to make the outfield wall since it changes distance in an irregular pattern. I then extruded up the wall using the convert entities tool again. I extruded the foul poles off of the wall. For some reason one of the hardest parts was making the foul lines, maybe because they are so small compared to all the other parts. Then I made a scoreboard to go off the outfield wall. I learned a new tool that you can write letters and extrude them which I used to write the “inning” and “home” and “away” on the scoreboard. I made poles off of the bottom of the scoreboard at a 90 degree angle to go into the wall using the sweep tool. I then made the light poles extruding the pole up. I then used a loft tool to make the light bulbs. I then made a big square just to place the field on with the lights around it. Another difficulty I had was figuring out how to use the lettering tool to get the letters the right size on the scoreboard.

The SolidWorks portion of the class was the most enjoyable to me and arguably the most beneficial for my career looking forward. I had some prior experience with 3-d modeling using the program called Inventor in high school. SolidWorks was easier to use and can do more
complex drawings. I never thought I would be able to make the complex parts that I am now able to make with my new knowledge of SolidWorks.