Lithophane reflection

   In this project we made lithophane panes using the 3d printers. It is a photo that is on a lamp that only shows the true photo when there is light going through it. I chose my photos based on what I love, I chose to do a picture of my friend and I playing in a pit of marshmallows, I chose a picture of one of my dogs that I train, and I chose to do 2 of the same photo, to try something new. I chose a picture of my friends looking at the sunset. I will paint one of them with light water color to see if I can get the real effect of a sunset, or a pinkish light bulb. I used sketchup to make my photos the correct size I then used a 3d lithophane maker online to get the model for the print, I then used Slic3r to get the layers so I could export the Gcode to the 3d printer. I had few problems when making these, one of the problems I had was when I watched the video it had a height of 93, I had everything correct but i had a height of 83, making me unable to print the lithophanes, the problem turned out to be that the video was wrong. I learned the lesson of needing to put borders on my design, if you don't put them your print is likely to fail. The problem with the video lead to some scheduling issues because I could not print that day or that morning. I did well getting all my files done correctly and using slic3r correctly. I would like to improve on my using th 3d printer more often.
   I used a 3d printer and generic pla. I uploaded my gcode to an sd card to put in the 3d printer so it could get my file. I learned that it is smarter to put the lithophane at a 45 degree angle to the surface of the 3d printer so it does not get knocked over from the 3d base moving which results in a failed print. I also learned prints tend to work better if they are near the front of the base for some odd reason. I recommend making sure you follow the directions in the video to a T so that your print has the most probability to succeed.