1138 Recycling Challenge Submission

When our team first started out brainstorming ideas, we decided right off the bat not to go simplistic on our recycling challenge idea. We wanted to make something that our team could use years after making our project. After a couple hours of throwing out ideas and dismissing them, checking out our mass amount of VEX field parts accumulated over the years, one of the members of our team had the great idea to ask around team to see what they had inconveniences with, and wished that there was something to fix their problem. When asking around the machine shop, many complained about the lack of organization in with safety glasses, and how they always got lost and or scratched up very quickly. These complaints inspired our safety glasses holder and organized storage in our machine shop.

`At first, we thought we were going to mount our safety glasses holder to the wall, but as we looked where we wanted to put it, we realized a more portable, aesthetically pleasing support would make our product more useful and make our machine shop look a little bit nicer. Later on we decided to make the support the color blue instead of using a sander, because we thought the new coat of paint would look better. Cutting the poly carb holders from Sack Attack was definitely the hardest part of this project, because of all the odd angles and the strength of the material. We couldn’t use a very fast tool or else the piece would shatter or have an uneven cut, so we had to primarily use a very slow handheld jigsaw to carefully cut a line to the straightest of our ability, then sand the edges smooth. The easiest part would be mounting the pipes for the easy access safety glasses. After the measurements for drilling where the pipes would go, all we had to do was screw in the mounts. Both the pipe holder and the pipe were pieces from Skyrise, and even though it was a bit difficult to screw in a straight screw at an angle, we can confirm that those pipes won’t be falling out anytime soon. The bean bag supports were a last minute finishing touch that make extra sure that the glasses wouldn’t scratch, as well as adding more decoration and throwback to Sack Attack.

In the end, all the extra work it took to make a very useful, original project that will be strong enough to last was all worth it though, because the final product looks amazing, is being used every single meeting, and looks very nice. It is needless to say it will be used for many years to come.