

## Team 3082: Week Five Update

### Electronics:

We made spent much of this week learning about pneumatics and assembling our robot-ready electronics board. Once the robot's bellypan was attached, we were able to attach it and wire everything up, so we officially have a driving robot and running intake. Since this did not take as much time as we had in meetings this week, we looked into the getting the sticker machine running so that we can print our sponsor stickers for the robot before our first competition. We also aided in the assembly of some of the robot's components.

### Programming:

We are waiting on the mechanical team to hand us a finished robot so that we can tune our practice-bot-based programs. We did some more motor testing and, for kicks, looked into getting the color sensor working.



### Business:

Our Chairman's essays have been completed and submitted! We also submitted for the Woodie Flowers Award, for the first time in our team's history like Chairman's. Additionally, we are working on setting up a fundraiser to garner more family and friend involvement beyond our lovely corporate sponsors.

### Mechanical:

We have the drive train in working condition and assembled the intake. Our shooter design is also complete in CAD. We finished assembling our hopper and finalized our handoff from hopper to shooter. Finally, the bellypan was cut out and added so that we can attach things more internally in the robot and the electronics subteam could attach the electronics board. Although we thought we finalized our climber design, we found towards the end of the week that it runs into the intake in the initial starting configuration. We are also unsure of how to maintain the climb five seconds after the match, so we will be looking into new climber designs during week 6.



### Proudest Accomplishments:

- ★ Driving robot!
- ★ Submitting for *two* awards we never have before
- ★ Our electronics team figuring out pneumatics