

Journal 08

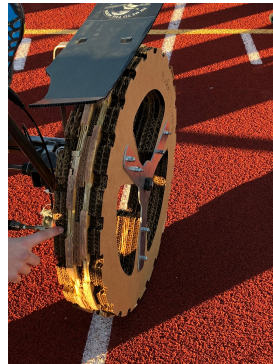
DATE: January 29 - After school

Team/Group members involved:

Emma, Katie, Sohum, Was, Mark, Grant

What I did (bulleted work summary):

- Test Drive
 - Test plywood prototypes
- Receive wax and brushes
- Send request for callboards



What I learned (implications of work):

There will still be no CAD drawings in this journal because we are making not designing right now. More Test driving!! Today started with sending a request to maintenance for call boards and then we went out to the track to test drive the plywood prototype wheels. On our way out we realized Emma may have been having a little problem with switching gears so we had her drive around the parking lot while changing gears till she got the hang of it. Then we went to the track and took a lap in 1 minute and 26 seconds. Afterwards we realized that the plywood had become unglued from the cardboard and could be spun freely. This prompted the question of holding the plywood in place so the wheel team is redesigning that. I have high hopes for these wheels and if the plywood can stay in place it should increase our speed. The epoxy is also not here yet so that will have to wait till thursday after school.

DATE: January 30 - Class

Team/Group members involved:

Full Class

What I did (bulleted work summary):

- Put together boards



What I learned (implications of work):

I learned the importance of remembering where you put things. I started trying to cut wheels but left Emma to do that while I put together the call boards, the only problem was that we misplaced all the pictures for a brief moment. We had put the envelope in the cabinet (where we put all the snacks) and it got pushed to the back because we got snacks (yay food). Thankfully we knew they were in there and we just had to dig around - I also replaced a picture of carbon fiber making with fiberglass. These boards are important to display because it shows our process and are honestly fun to look at.

DATE: February 1 - Class

Team/Group members involved:

All Class

What I did (bulleted work summary):

- Sixteenths quiz
- Finish board
- Talk about prototype weeks
- Sign up for FLL championships stuff



What I learned (implications of work):

Sixteenths quizzes are getting much easier and I guess that makes sense because I have been studying them for almost three years. Also I accidentally put the N on backwards on the call boards last time.... So I fixed that (I can spell I swear). Then we cut some more wheels and I talked with Katie about the new schedule. I am concerned with the schedule but I am happy we will have almost three hours during the day to work. Also I switched my FLL time to be with NATHAN so that he would have a senior member with him. I am super excited about the rover this year and I hope that the seat goes well, we are working on it after school and if everything goes well we should pull it off the mold on Saturday.

DATE: February 1 - Afterschool

Team/Group members involved:

I mostly worked with Emma and Katie

What I did (bulleted work summary):

- Finish applying fiberglass!



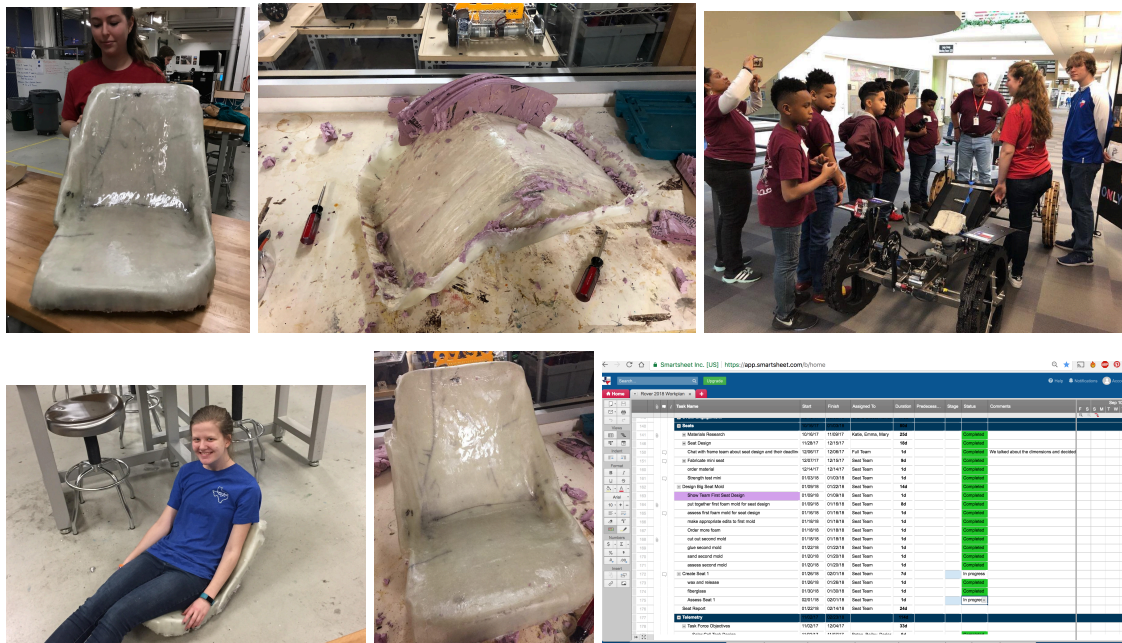
What I learned (implications of work):

The final layers of fiberglass were applied today! I am so excited to see how this works and I think it will be really good. We applied four more layers today and the last one was almost entirely a full sheet. I am worried some pieces will stick up a bit (causing sharp problems) and may need to be grinded down. Saturday we will pull of the fiberglass form the mold and see how we did! This is an important part of the rover because we cannot drive without a seat - I mean that would be incredibly uncomfy. After we were done we cleaned up and eagerly awaited the weekend.

DATE: February 3 - 10:00-1:00 ish

Team/Group members involved:

Nathan, Katie, Emma, and more



What I did (bulleted work summary):

- Pull foam from fiberglass

- Man the booth
- Bring Emma a red S because a child pulled it off the display

What I learned (implications of work):

Today was the day!!!!!! I got to the school armed with a starbucks and a screwdriver (the metal kind, not the alcoholic kind) to peel the foam from the fiberglass (the epoxy dripped down the sides bluing them together so preserving the mold was out of the question). After most of the mold was pulled off Emma, Nate, and I took the rover downstairs and Nate and I manned the booth for about two and a half hours. We had the cutest kids come and talk us, the nerdy unicorns were a particular favorite of mine. I got a lot of questions about if the rover goes backwards and then I would explain why it does not in fact go backwards. I also got to talk a lot about the wheels which is a super big part of what makes us memorable. Afterwards I got food and brought Emma a new letter for the boards because a small child started messing with the letters. While I was at the booth Emma finished getting the mold off and sat in it and WE HAVE A SEAT!