

Journal 03

Date: 12/11/17 After School 5:00-6:00

Team Members Involved: Ryan, Kavita, Katie

What I did: When I got up to the den, I expected to start cutting out wheels. However, Kavita was working with Katie when I got in, and they explained to me that they were making a schedule to cut out the wheels. We made subgroups by layers on smartsheet. What I'm trying to say is that we set a day to cut each layer. We also made a Google Document where we placed this schedule.

What I learned: I learned that in Rover, you always need to document your work, otherwise, you won't know either where you messed up or where you left off from last time. This is going to be helpful for the wheel team in the future because it can help us build our report, and it will help us stay organized so that we always know what to do. It will make sure that we are not just standing around during work time.

Wheel Due Dates ☆

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1 2 3 4 5 6 7

Wheel 1:

What	Start	Finish
Cut wheel 1		
Layer 1	12/11	12/11
Layer 2	12/11	12/11
Layer 3	12/12	12/12
Layer 4	12/12	12/12
Layer 5	12/14	12/14
Layer 6	12/14	12/14
Layer 7	12/14	12/14

* Will change if we run into any push backs (Real finishing date is probably around 12/14/17)

Date: 12/12/17- Class 10:00-11:25

Team Members Involved: Ryan, Kavita, Sohum

What I did:

- Sohum cut out Layer 1 for Wheel 1 during B1
- Realized that the holes that would connect to flange were off
- Redesigned with flange in the picture so measurements would be exact

What I learned: I learned that I can't just estimate measurements and where to put some pieces of the design. I'm very glad that we realized this mistake on the first layer so that we didn't run into this problem when attempting to put the wheel on the actual rover. This lesson that we learned will benefit us in the future because now we know to consider all of the components on the rover and make sure that we are exact in our measurements and placement of designs.



First layer- Holes for the flange are not straight, and not centered



Date: 12/14/17- Class 10:00-12:00

Team Members Involved: Ryan, Kavita, Emma

What I did:

- Cut out layer 1 for the first part- had a fire on the second pass, cardboard was unusable
- Did the first pass for a new layer 1
- Emma was kind enough to do the second pass during B3

What I learned: I learned from Ms. Makins today that even though fires are normal, and I should handle them calmly, I should not act like the fires are normal. I should try to prevent them as much as possible because each sheet of cardboard is wasted when that happens. The sheets of cardboard are 10 dollars each, so I'm basically wasting 10 dollars worth of cardboard whenever there is a fire. We are still at the beginning of the cutting process, so we are making progress

towards the future of the wheel team because we are figuring out which powers and speeds don't work, then logging them so we don't make the same mistake twice.





