

## Journal 2

12/4/17 Class Time

### Team Members Involved

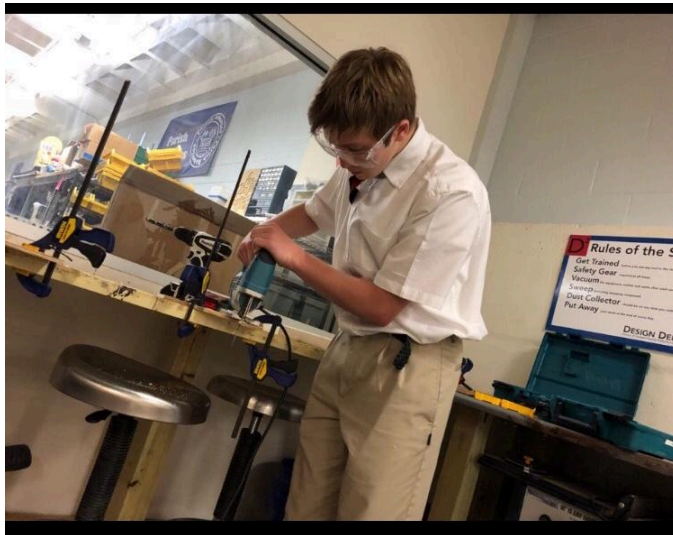
- Mark
- Wes
- Sohum
- Austin

### Work Summary

- Took the Rover challenge mastery quiz
- Worked on hands on tool quizzes
- Discussed chassis and parts that we may possibly need to buy with chassis team
- Began working with Fusion 360

### What I Learned (Implications of work)

Today I took the rover mastery quiz which went over the rules and regulations of the competition. Since I did poorly on it I will have to retake it later. Also I completed several of my hands on tool quizzes, which means that I can do more work to help the team. Also it is important that I talked to my teammates about getting parts since that is currently one of our prime focuses. Also since I began practicing and learning about Fusion 360 I will be able to work on the project That I have to complete using it, and I can look at our design for the rover.



12/6/17 Class time

### **Team Members Involved**

- Austin
- Wes
- Mark
- Sohum

### **Work Summary**

- Talked to team about bearings and other parts that we may need
- Began working on a wooden mock up of rover



### **What I learned (implications of work):**

Today me and Austin started to work on measurements for the rover so that we could see the size of certain pieces. We also cut out part of the pedal assembly so that we could position it on the mock up chassis. When we did this it helped point out several potential problems that could stem from the design. One of these potential problems is that the pedal might be too close to the seat which would not allow the riders to put in as much power as they potentially could. We are not positive on this because the seat was not necessarily in the correct position since we did not have the mounting brackets.

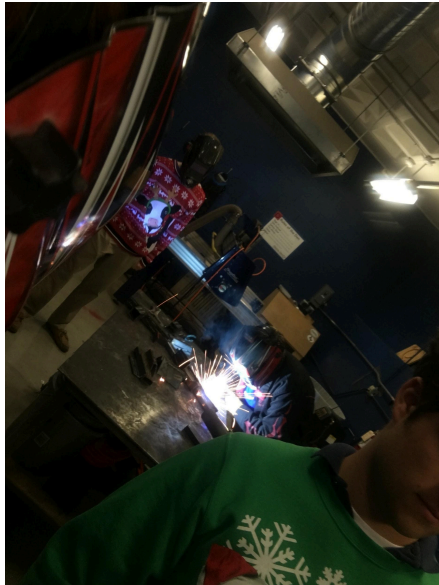
12/8/17 Class time

**Team Members Involved**

- Austin
- Wes
- Mark
- Sohum

**Work Summary**

- 1/16 quiz
- Metal shop preview (we were shown by the teachers how to use the different metal working tools)



**What I learned (implications of work):**

Today in class we took our 1/16ths quiz and we went into the metal shop for a preview of all the tools inside. Since we took the 1/16ths quiz our team should be able to work more efficiently since we can convert the calculations for tools and measurements. Most of the class today was spent in the metal shop getting shown how to use all of the tools. We were shown mostly the metal working tools such as the chop saw and welder, but we were also shown how to use the laser. The laser is extremely useful since we can input designs from our computers onto it and cut exact measurements. This could be extremely useful to cut intricate pieces for parts on the rover.