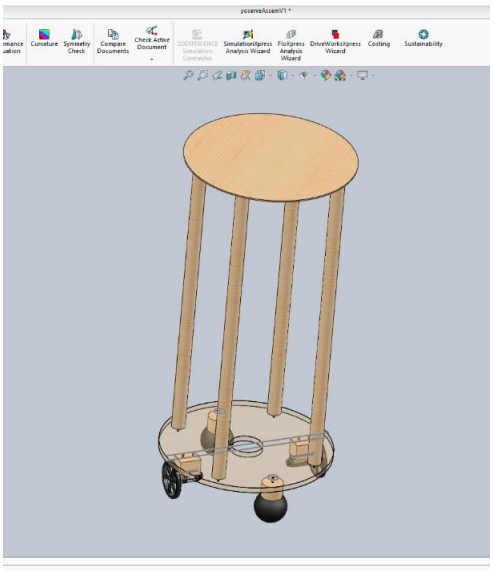
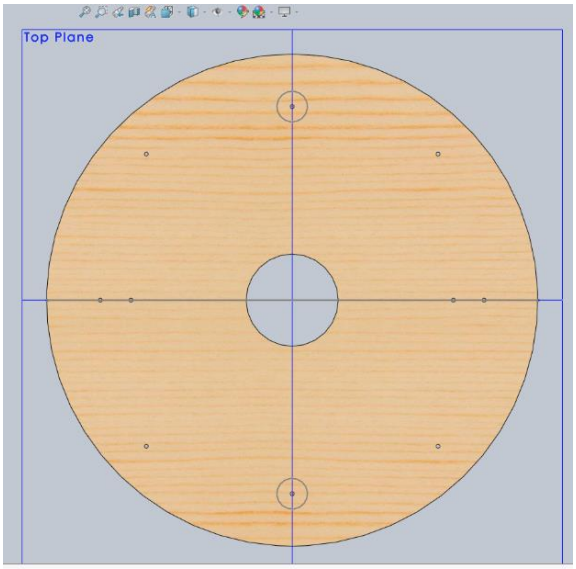
Week 4 Status Update

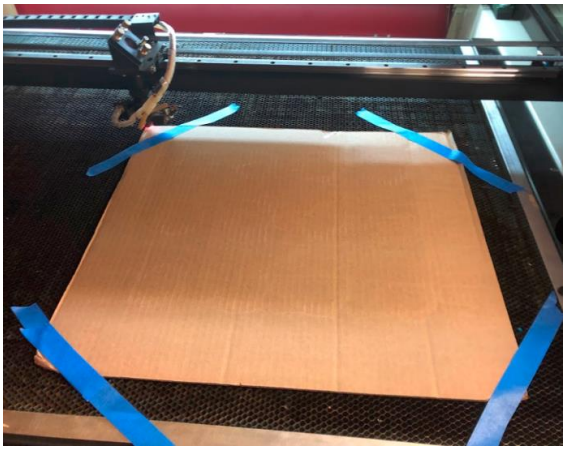
Team D1 – Isabel Murdock

Work Accomplished:

- Finished design proposal document
    - Wrote the components on mechanical structure and stability
    - Worked on opening sections
- Continued working on robot's mechanical structure
    - Updated the CAD model to reflect minor changes made to the robot's structural dimensions over the past 2 weeks
    - Added planned drill/screw holes to the CAD file so that I could laser cut a cardboard template
        - The template will reduce time required to measure out each hole and ensure the holes are more accurately placed
        - This is required for the robot to be balanced and therefore stable







- Started working on plan for connecting the motor shield to the Arduino and determining the best configuration that would allow us to get the encoder data

Schedule:

- Behind schedule in terms of robot structure
    - Had hoped to be done assembling the robot this week
    - Still need to cut out the top circular board and screw everything together
- Slightly ahead of schedule in working on the motor shield and Arduino component
- In order to make up the lost time, I plan on spending a lot of time in the machine shop working on the robot next weekend and will try to come back from spring break early
- I think I should be able to get on track then, especially since we hadn't scheduled for anything to be done on our robot over break

Upcoming Deliverables:

- Finish robot mechanical structure
- Finalize Arduino and motor shield plan/schematic