

## Week 9 Status Update

Team D1 – Isabel Murdock

### Work Accomplished:

- Figured out communication between Arduino and raspberry pi
- Adapted Arduino's motor control code for raspberry pi signals
  - o Agreed on communication protocol with Kashish for Arduino and raspberry pi
- Researched fabric options for outside of robot
  - o Decided to go with tartan plaid print

### Schedule:

- Since we are behind in the sensors being connected to and communicating with the raspberry pi, we are also behind in the entire system being integrated together – from sensing to moving
- However, since the Arduino and raspberry pi are communicating, we should be able to integrate everything fairly quickly once the sensors are working
- Still need to add the mechanism for adjusting the height of the supports – since it is not critical for our robot to drive, it is not the top priority

### Upcoming Deliverables:

- Once the sensors are connected and communicating with the raspberry pi, we should be able to test the whole system together – need this to happen to actually test the motor control code
- Physical mechanism that allows the height of the tennis ball supports to be adjusted