

Wizard's Chess Meeting 2  
1/22/2020  
Meeting Leader: Delany Bolton

**Schedule:**

- 08:30 - 08:50: Current Action Items
- 08:50 - 09:00: Miscellaneous Questions/Topics

**Current Action Items:**

- Access website and upload items.
  - How do we access this?
    - Assigned to Ben (Due 1/28/20)
    - Complete 1/28/20
- Refine the mechanical pieces of the xy grid for smoother travel.
  - Reprint pieces for a better fit than the first draft parts. Adjust the timing belt and the slides.
    - Assigned to Shae (Due 2/14/20)
  - Order rollers for travel along the rails of the frame.
    - Assigned to Luke (Due 1/20/20)
    - Complete 1/20/20
- Start programming the motors and drivers beyond the test programs.
  - Figure out a method for calibration.
    - Assigned to Delany (Due 1/27/20)
    - Complete 1/27/20
  - Set an origin point for the magnet while at rest. Determine the required travel distance for each square of the chess board.
    - Assigned to Delany (Due 2/14/20)
- Determine Electromagnet Requirements
  - Purchase electromagnet
    - Assigned to Delany (Due 1/29/20)
    - Complete 1/29/20
- Motor Control
  - Establish code beyond the test programs for controlling function of motors
    - Assigned to Luke (Due ? \*See Miscellaneous)
- Software Development
  - Understand the library and get the library components to function
    - Assigned to Fabio (Due 1/29/20)
    - Complete 1/29/20

**Completed Action Items:**

- Determine a weekly meeting time that all members can attend.
  - Assigned to all (Due 1/15/20)
  - Monday's @ 09:00
  - Complete 1/15/20

**Miscellaneous Questions/Topics:**

- Meeting time conflict
  - Delany's schedule change, confirm new time will work pending no other changes in the foreseeable future
- Motor controller
  - Do we need to design our own? Would it make more sense to make our own board?