

Wizard's Chess Meeting 1  
1/15/2020

**Progress:**

- First draft of the mechanics of the board has been constructed but still needs to be adjusted and can be improved.

**Objectives:**

- Determine a weekly meeting time that all members can attend.
- 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.
  - Possibly order rollers for travel along the rails of the frame.
- Start programming the motors and drivers beyond the test programs.
  - Figure out a method for calibration.
  - Set an origin point for the magnet while at rest.
  - Determine the required travel distance for each square of the chess board.
- Experiment with the electromagnet.
  - Start designing chess pieces.
  - Begin programming the electromagnet.
  - Verify that the electromagnet is capable of moving the pieces designed.