

Team: P20068 Robotic Drum Assist **Engineer:** Hannah Van Fleet

What were the outcomes of the prior phase?

1. What did I plan to do?
 - a. Keep BOM updated. Keep track of budget. Assist in testing wherever needed to be able to move forward with motor mounts.
2. What did I actually do?
 - a. Updated BOM. Placed orders. Planned out motor mounts to be ready to build after motor testing is complete.
3. What did I learn? How were the plan and reality different?
 - a. The team is having trouble with testing of the motors, which has set me back in being able to build the motor striking mounts. I have learned that I have to be more adaptable and focus more on planning to be able to be ready for build at any time.

Team level goal for next phase

The team will continue to test our subsystems and work on putting different subsystems together, also testing the different combinations of subsystems as we build. We will also work on getting PCBs fabricated and testing those with other system components as soon as possible to make sure they work as expected and make any necessary changes to circuit designs as soon as possible.

What do I plan on doing to ensure that my team has a successful review at the end of the next phase?

1. Keep BOM updated (throughout)
2. Build striking mechanisms (4 hours)
3. Help with assembly of control board (3 hours)
4. Keep track of budget as we order more components (throughout)

What is standing in my way of meeting my next phase goals?

There are some issues that have come up in testing that need to be addressed before build can take place.