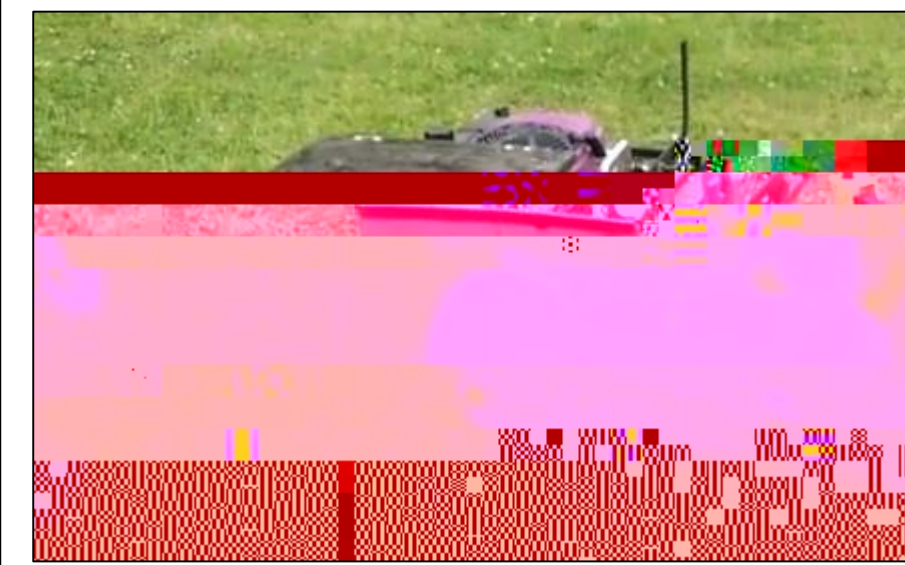


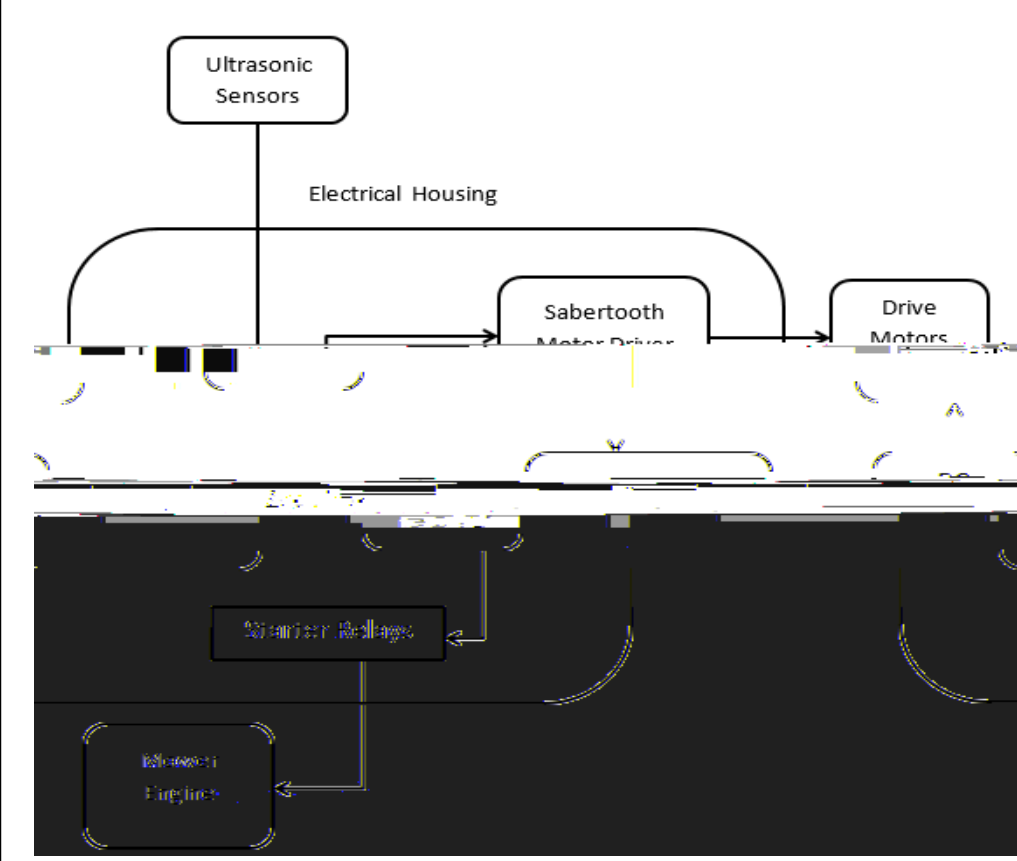
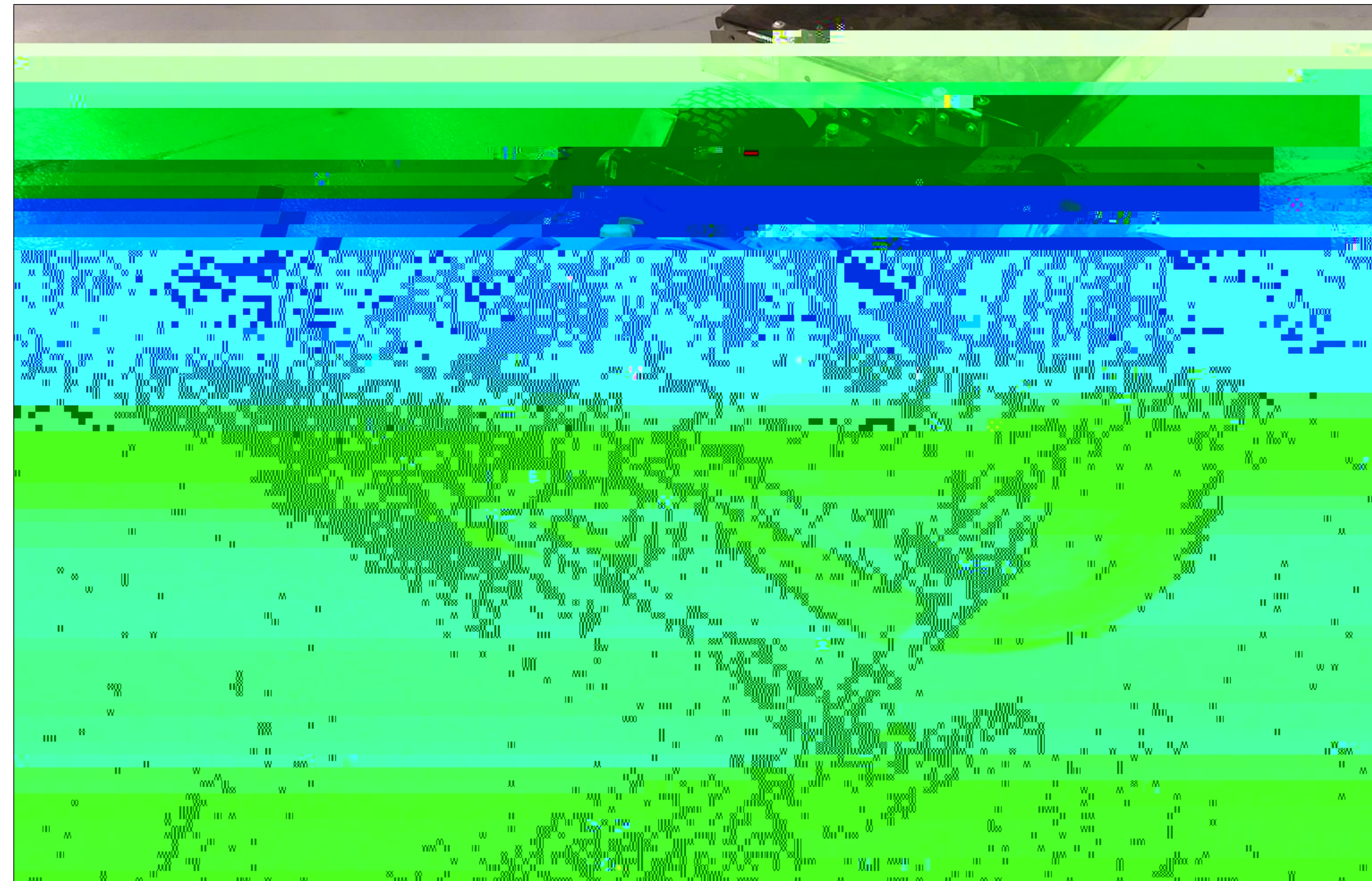
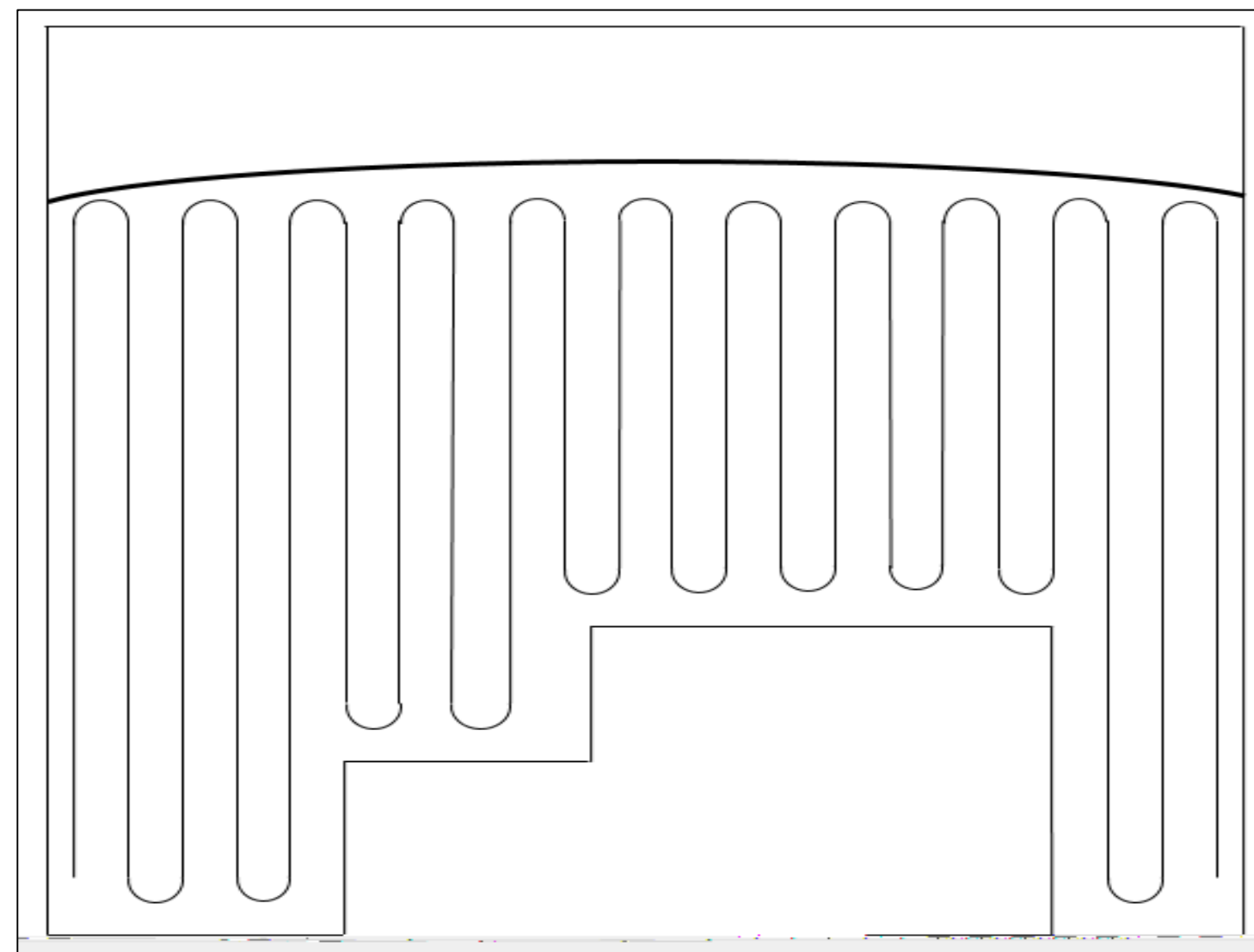


# Team #19: Autonomous Lawnmower

## Steven Bosworth and Justin Parker



**Right:** Pictured to the right is the path that the Arduino would be programmed to take in a yard of that layout. As you can see, the distances shorten as the yard decreases in length. This drawing is an accurate representation of the description below.  
**Above:** The picture above is a clip from the mower following the path shown to the right and described above.



Emergency Stop Button

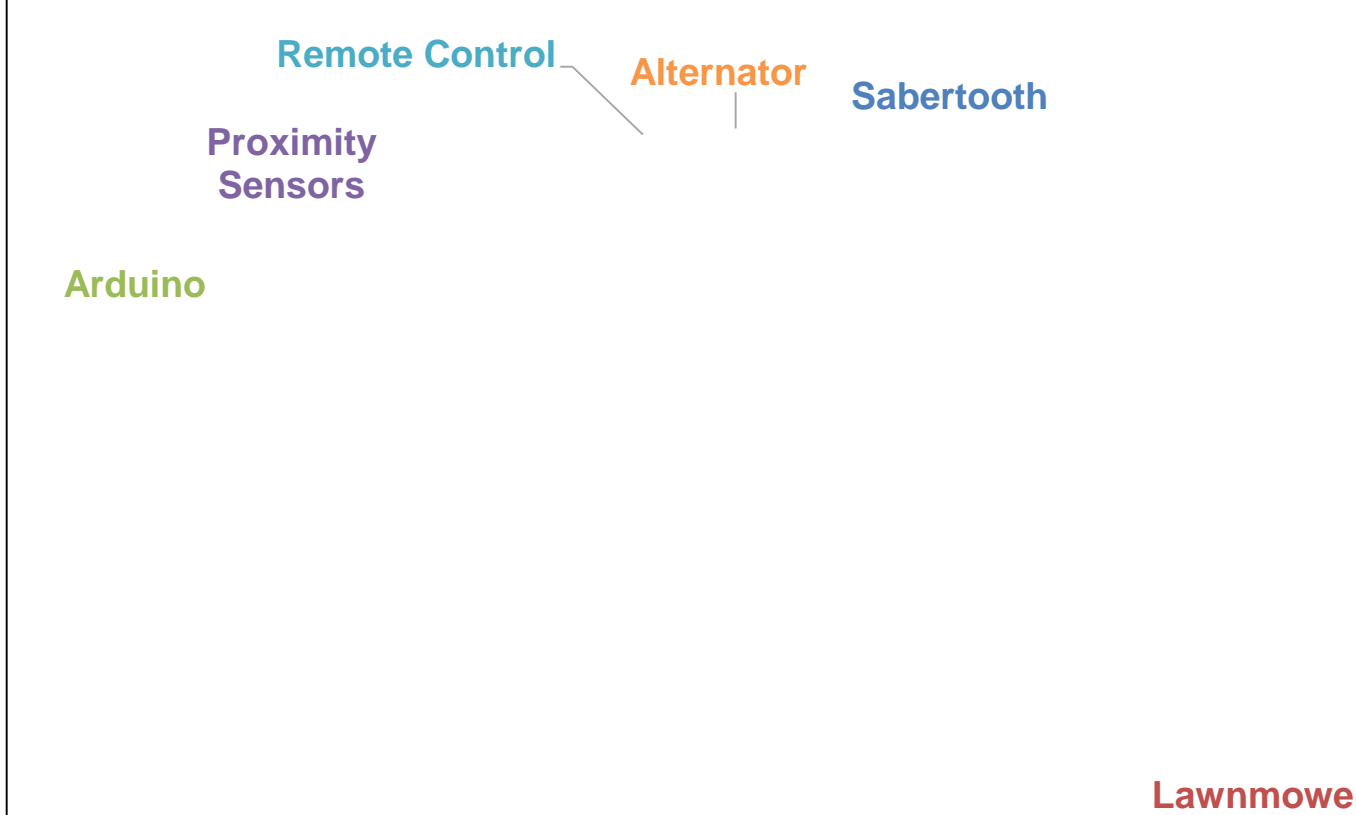


Remote Kill Switch

Ultrasonic Distance Sensors



### TOTAL PROJECT COST



The overall budget for this project is shown above. The lawnmower and proximity sensors were purchased last year. While the Sabertooth motor controller and new Arduinos, an alternator, and a new remote control were purchased this year.

1. System Control Testing:
2. Accurate Turn Testing:
3. Distance Calculation and Speed Control Testing:
4. Sensor Testing:
5. Obstacle Avoidance Testing: