

# Log Book

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ECE 3760 1

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# 1 Log Entries

## Lab 1 Entry

*January 20, 2025*

Received the board, soldered pins to the board and ensured that the board was working and no short circuits were present.

Installed platformio on VSCode and ensured the extension was working correctly by running a simple serial print program on the board.

The code is as follows:

```
1 #include <Arduino.h>
2
3 void setup() {
4     Serial.begin(9600);
5     while(!Serial); // Wait for serial connection
6 }
7
8 void loop() {
9     Serial.println("Hello, World!");
10    delay(1000);
11 }
```

Code Snippet 1: Hello World Code

With an output of "Hello, World!" every second to the serial monitor.

## Design Ideas

*January 20, 2025*

During the lab, discussed some ideas for the project. Talked about the basic requirements, what potential ways we can meet the requirements. Need to do more research on how curling actually works to get a better idea of what someone would need to communicate with their team members to ensure a successful game.

Currently thinking of the skip having a device that can communicate with the two sweepers, having a speed up and slow down button for the sweepers to adjust their speed. The skip would also have a button to indicate when to stop sweeping. On the sweepers side, they would have an LED or a speedometer esque led display to show them how fast they should be sweeping. Since different players might need to sweep at different rates, need to differentiate somehow between the two sweepers. Maybe have two of the same device, but with different colored LEDs or something to indicate which sweeper the skip is talking to. For example, a left and right sweeper device, that connects to the respective sweeper.