**BattleBots Log Sheet:**Students will conduct multiple rounds of battles, either against another robot, or simply an object with a balloon attached to the back, to test their design and driving skills. Each modification should be listed in the log sheet and included in the design document. Modifications could include physical changes to the robot such as redesigning the attack arm or adding/changing wheels to gain more friction. It could also include adjustments to the remote control software to improve driving control and power. If competing against another robot, include whether each round was a Win or Loss.

**Sample Log Sheet:**

|  |  |  |
| --- | --- | --- |
| **Trial** | **Win/Loss** | **Modification and Notes** |
| 1 | Loss | First attempt at battle, just body and thumbtack on arm. |
| 2 | Win | Added a third motor to control the attack arm. |
| 3 | Loss | Adjusted settings in remote control, but control was worse. |
| 4 | Loss | Added more wheels to improve friction, but control was worse. |
| 5 | Win | Adjusted remote control settings to drive with keyboard. |
| 6 | Win | Built an attack arm that can extend out for more reach. |

|  |  |  |
| --- | --- | --- |
| **Trial** | **Win/Loss** | **Modification and Notes** |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |
| 7 |  |  |
| 8 |  |  |
| 9 |  |  |
| 10 |  |  |