<u>Period One - Project Plan</u>

Goals and Tasks for Botball 2019

Game Goals and Tasks
Deadlines
1. Review the game board, rules, and documents
   1/3/19
   a. Every team member has access to documents on google   1/3/19
      classroom
   b. Make sure every member has a concrete understanding
      2/4/19
      Of game rules, documents, and the board
2. Brainstorm Strategies   1/31/19
   a. Discuss and create game strategies for each robot and
      1/31/19
      record them
   b. Team members will decide on best strategy for the competition
      1/31/19
3. Build a Game Board   2/25/19
   a. Assemble and cut PVC pipes   2/11/19
   b. Team works together to assemble a copy of the game board
      2/25/19

Robot Building Goals and Tasks   *Deadlines*
1. Prototype the Create® and Wallaby robots
   2/5/19
   a. Brainstorm build ideas for the two robots   1/31/19
   b. Team splits into two groups, one per robot   2/4/19
2. Complete Create® build
   4/18/19
   a. Complete mechanism to grab Botguy/mayor   4/18/19
   b. Complete base for the entire build   4/18/19
3. Complete Wallaby robot build
   4/18/19
   a. Complete design for claw   4/18/19
   b. Complete shoveling mechanism
      4/18/19

Programming Goals and Tasks
Deadlines

1. Run Test Programs
    1/17/19
    a. Program basic movements using the demobot   1/10/19
    b. Program sensors with the demobot
        1/17/19
2. Complete Create® Programming   4/18/19
    a. Write pseudocode
        2/25/19
    b. Complete program for grabbing Botguy/mayor   4/18/19
3. Complete Wallaby robot programming
    4/18/19
    a. Write pseudocode
        2/25/19
    b. Complete program for collecting water and other tasks   4/18/19

Documentation Goals and Tasks
Deadlines

1. Complete Period One Documentation   2/4/19
    a. Meet as a team and discuss documentation deadlines   1/28/19
    b. Review documentation rubric   2/4/19
2. Complete Period Two Documentation   3/13/19
    a. Meet with build team and discuss documentation   3/4/19
    b. Meet with code team and discuss documentation   3/4/19
3. Complete Period Three Documentation   4/22/19
    a. Meet with team and discuss questions   4/15/19
    b. Review documentation rubric   4/22/19

Schedule Conflicts   *Deadlines*

1. Martin Luther King, Jr. Day - No school
    1/21/19
2. February Vacation - No school   2/16/19-2/24/19
3. April Vacation - No school
    4/13/19-4/21/19

Team Organization
Meeting Times:

January: 3rd, 7th, 10th, 14th, 17th, 21st, 24th. 28th, 31st
February: 4th, 7th, 11th, 14th, 25th, 28th
March: 4th, 7th, 11th, 14th, 18th, 21st, 25th, 28th
April: 1st, 4th, 8th, 11th, 22nd, 25th

Division of Labor:
Team leaders: Winnie, Gianna, Chris
Create® builders: Nick, Gianna
Wallaby builders: Krystal, Rachel, Ian, Gianna
Create® programmers: Chris, Victoria
Wallaby programmers: Winnie, Anton
Documentation team: Emily, Winnie, Chris, Gianna

Conflict Resolution:
1. Team members who have a disagreement should attempt to resolve the conflict in a civil manner and come to a resolution on their own.
2. If necessary, they should go to a team leader and discuss the conflict.
3. The team leader will facilitate a conversation and help come to a peaceable solution.
4. If the team leader fails to resolve the conflict, the team's mentor/teacher will step in and make a final decision.