Oklahoma

<p style="text-align:center;"><u>Period One - Project Plan</u></p>

Goals and Tasks for Botball 2019

Game Goals and Tasks	**Deadlines**
1. Review the game rules, movie, and game documents	1/18/19
a. Have smartboard and room ready to show all documents	1/15/19
b. Copy game rules and distribute to all team members for review	1/15/19
2. Brainstorm Strategies	1/18/19
a. Discuss game strategies and record in notebook	1/22/19
b. Team Captain lead discussions and options	1/22/19
3. Build Practice Board	1/22/19
a. Build team assemble list of supplies to principal	1/22/19
b. Team leader will help assemble game board	1/23/19

Robot Building Goals and Tasks	**Deadlines**
1. Prototype the Create and LEGO robots	1/28/19
a. Complete a labeled drawing of Create based on strategy	1/28/19
b. Complete a labeled drawing of the LEGO robot	1/29/19
2. Complete Construction of Create Robot	2/8/19
a. Construct a claw for create to grab or sweep	2/1/19
b. Construct a forklift bar for collection and elevation	2/3/19
3. Complete Construction of LEGO Robot	2/15/19
a. Complete construction of chassis	2/8/19
b. Construct claw for grap mechanism	2/8/19
c. Add line, distance, and camera	2/8/19

Programming Goals and Tasks	**Deadlines**
1. Run test program	2/15/19
a. Program basic movement using demobot	1/28/19
b. Program precision turns using demobot	1/28/19
c. Program using sensors on demobot	1/29/19
2. Complete Program for Create Robot	2/22/19
a. Write pseudocode with building team for Create	2/15/19
b. Program the claw for grab and sweep mechanism	2/15/19
c. Program the forklift bar for elevation	2/21/19
3. Complete Program for LEGO Robot	2/27/19
a. Write pseudocode for LEGO robot for team	2/15/19
b. Program precision turns	2/19/19

c.	Program claw for grab and move and deposit of objects	2/20/19
d.	Program sensors - line follow and distance sensors	2/21/19
e.	Test all programming for LEGO build team	2/25/19

Documentation Goals and Tasks   Deadlines

1. First Period Documentation Complete   1/28/19
   a. Class meeting and set schedule, tasks, and resolution   1/23/19
   b. Take team picture and prepare google doc brainstorm meeting   1/28/19
   c. Gather information from building and programming teams
        Set goals, and tasks for the season   1/25/19

2. Second Period Documentation Complete   2/20/19
   a. Gather data from build team for assignment   2/18/19
   b. Gather data from programming team for assignment   2/18/19

3. Third Period Documentation Complete   3/6/19
   a. Set up computer for survey   3/1/19
   b. Gather information from team for lessons learned   3/4/19

Schedule Conflicts   Deadlines

1. Basketball Tournament - many members absent   1/25/19
2. Basketball Districts - many members working or playing   2/9/19
3. State Archery Meet   2/13/19
4. Academic Meet   2/18/19

Team Organization
Schedule of Meeting Times
Regional Workshop   -   January 11th and 12th
Regional Tournament -   March 9th
Meeting times are 3:30 to 5:00 PM each day
Schedule for January   - 14th,16th,18th,21st,23rd,25th,28th,30th,31st
Schedule for February -
1st,4th,6th,8th,11th,13th,15th,17th,18th,20th,22nd,24th,25th,26th,27th,28th
Schedule for March -   1st, 3rd,4th,5th,6th,7th, 8th

Division of Labor:
Adult Team Leader: Dyer
Robot Building Team for Create robot: Jordan
Robot Building Team for LEGO robot: Victoria*
Programmers for Create robot: Jordan
Programmers for Lego robot: Victoria and Lyra

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Documentation Team: Lyra and Victoria

*Victoria is our Student team leader.

Conflict Resolution:

The team has agreed that if a disagreement occurs between team members that we will handle them in the following way:

1. Team members who disagree will first attempt to talk about what the issue is. This will include a list of pro and cons about the disagreement. Team members will allow everyone to express thoughts and lists.
2. Team leader, Victoria, has agreed to allow each team member to bring in ideas and thoughts. This should help resolution to be quicker and reach a complete understanding of the decision.
3. If no resolution is reached, it will be brought to the adult team leader. Dyer will decide how to resolve the issue presented. Dyer will have the option to have pros and cons read, allow team members to present a side, and\or vote on the problem. The adult team leaders decision on any conflicts is final and not up for more discussion.