

Period One - Project Plan**Goals and Tasks for Botball 2019**

Game Goals and Tasks		Deadlines
1. Review the game rules, videos, and game documents		1/18/19
a. Have projector and SMARTboard ready to show the videos		1/18/19
b. Copy game rules and distribute to team members for review		1/18/19
2. Brainstorm Strategies		1/25/19
a. Discuss game strategies and record them on chalkboard		1/25/19
b. Team captain will lead discussion on options and club will vote on the strategies to use for the season		1/25/19
3. Build the Practice Board		1/31/19
a. Build team will assemble the list of supplies for teacher to purchase at Lowe's		1/31/19
b. Team leader and build team members will help team assemble game board in the classroom		1/31/19

Robot Building Goals and Tasks		Deadlines
1. Prototype the Create and LEGO Robots		2/1/19
a. Complete a labeled drawing of the concept for the Create robot based on the chosen strategy		2/1/19
b. Complete a labeled drawing of the concept for the LEGO robot based on the chosen strategy		2/1/19
2. Complete Construction of the Create Robot		2/6/19
a. Construct a claw mechanism for lower reaching items		2/6/19
b. Construct a crane mechanism for higher reaching items		2/6/19
3. Complete Construction of LEGO Robot		2/6/19
a. Construct a bulldozer mechanism		2/6/19
b. Construct a claw mechanism		2/6/19

Programming Goals and Tasks		Deadlines
1. Run Test Programs		2/18/19
a. Program basic movements using the workshop demobot		2/7/19
b. Program precision turns using the workshop demobot		2/12/19
2. Complete Program for Create Robot		3/5/19
a. Write pseudocode with building team for Create robot		2/7/19
b. Program the claw mechanism		2/21/19
c. Program the crane mechanism		2/25/19
d. Test all programming for Create robot with build team		3/4/19
3. Complete Program for LEGO Robot		3/5/19
a. Write pseudocode with building team for LEGO robot		2/7/19
b. Program for use of bulldozer mechanism		2/21/19

c. Program for use of claw mechanism	2/28/19
d. Test all programing with LEGO build team	3/4/19

Documentation Goals and Tasks		Deadlines
1. First Period Documentation Complete		1/28/19
a. Class meetings to set the overall schedule, assign tasks, and decide on conflict resolution		1/25/19
b. Gather information from building and programming teams to establish goals and tasks for season		1/25/19
2. Second Period Documentation Complete		2/20/19
a. Gather data from build team for assignment		2/13/19
b. Gather data from programming team for assignment		2/18/19
3. Third Period Documentation Complete		3/6/19
a. Set up a survey for overall feedback on the process		2/28/19
b. Gather info from team members for lessons learned		3/4/19

Scheduling Conflicts		Deadlines
1. Schoolwide Spelling Bee - Team leader unavailable		2/11/19
2. Flight Night Drone Competition - Elementary and Middle School - Team Leader and students missing		2/27/19
3. Band Pre-District Contest - Some students will miss		2/14/19
4. OSSAA Band Contest - Some students will miss		3/6/19
5. Junior High Track and Baseball - some students will miss		3/7/19
6. Holiday - No School - no practice		1/21/19
7. School Closed on Fridays - 2/8, 2/15, 2/22, 3/1, 3/8		various

Team Organization

Schedule of Meeting Times:

Regional Workshop - January 12th and 13th

Regional Tournament - March 9th

Each meeting will run from 12:25 - 1:20 and 2:25 - 3:15 as per our school hours

Schedule for January - 14th, 15th, 16th, 17th, 18th, 22nd, 23rd, 24th, 25th, 28th, 29th, 30th, 31st

Schedule for February - 1st, 4th, 5th, 6th, 7th, 12th, 13th, 14th, 18th, 19th, 20th, 21st, 25th, 26th, 28th

Schedule for March - 4th, 5th, 6th, 7th

Division of Labor:

Adult Team Leader: Courtney Norton

Robot Building Team for Create robot: Jorden Bolden, Allen Thierry, Tyler Tackett, Lillian King, Lamarion Evans, Austin Burwell, Mario Harris, Eddie King

Robot Building Team for LEGO robot: Raven Edwards, Tyler Lukes, Ryan Wilson, My'labu Barnett, Pierre Borders, Daylan Callaway, Dustin Dunlap, Kady Burgess

Programmers for Create Robot: Shyanne Marlow, Justyce Mills, Jason Tiger

Programmers for LEGO robot: Gabby Miller, Eric Wang, Chad Keever, Joseph Childers, Jefferson Gutierrez

Documentation Team: Bryanna Nelson, Chloe Rubink, Jacob Reyes, Khatungi Bryant, Karsen Cunningham

Co-Student Team Leaders: Bryanna Nelson and Mario Harris

Conflict Resolution:

The team has agreed that if disagreements occur we will handle them in the following way:

1. Team members who are in disagreement will first attempt to work out the disagreements together. Team members agree to allow everyone to express their opinions and thoughts one at a time and attempt to reach resolution.
2. If resolution cannot be reached, the team members will bring their problem to the Co-Student Team Leaders.
3. If a resolution is still not reached (or the disagreement involves the student team leaders), it will be brought to Mrs. Norton, the adult team leader. Mrs. Norton will either decide how to resolve the conflict or will bring it to the team for discussion and a team vote. Mrs. Norton's decision or the team vote will be final.