

Region: Greater Chicago

## Period one - Project Plan

Team Name: Infinity MST

Team Number: 728

Team members: Laura Cruz, Jiovanny Lopez, Brenda Torres, Allan Flores, Victor Vazquez, Natalia Antunez

Goals and Tasks for Botball 2019

Game Goals and Tasks	Deadlines
1. Come up with strategies and review the scoring sheet. <ul style="list-style-type: none"><li>• Come up with ideas on what the robot will have that will help us build more points.</li><li>• Figure out what we are aiming for in the obstacle course.</li></ul>	2/6/2019
2. Review the game plan. <ul style="list-style-type: none"><li>• Review the measurements of the pvc pipe needed to build the obstacle course.</li><li>• Get the pvc pipe to start building.</li></ul>	2/11/2019
3. Have strategies planned out to continue with building <ul style="list-style-type: none"><li>• Build the obstacle course</li><li>• Getting ready to start programming.</li></ul>	2/14/2019

Robot Building Goals and Tasks	Deadlines
1. Sketch our lego design. <ul style="list-style-type: none"><li>• Sketch our lego design so it fits rule criteria.</li><li>• Start getting materials together.</li></ul>	2/15/19
2. Get the sensors we are going to put in the robot. <ul style="list-style-type: none"><li>• Add crucial movement parts to the robot</li><li>• Finish up by making sure that the sensors work.</li></ul>	2/16/19
3. Get it to perform flawlessly for the competition. <ul style="list-style-type: none"><li>• Making sure that the parts we have added are correctly installed.</li><li>• Stress test the robot so it doesn't malfunction</li></ul>	2/25/19

<b>Programming Goals and Tasks</b>	<b>Deadlines</b>
1. Get started on coding the robots. <ul style="list-style-type: none"> <li>• Work on the measurements for the codes.</li> <li>• Test the programs to make sure they are written correctly.</li> </ul>	2/20/19
2. Finish up the coding so that we can test run the robot. <ul style="list-style-type: none"> <li>• This codes will be further analyzed to improve functionality of the robot</li> <li>• Test that version of the codes with the robot.</li> </ul>	3/6/19
3. Polish up the robots coding. <ul style="list-style-type: none"> <li>• This version of the code will be used as the final version for the robot.</li> <li>• Upload this to the robot and then coding is done.</li> </ul>	3/14/19

<b>Documentation Goals and Tasks</b>	<b>Deadlines</b>
1. First Period Documentation Completed <ul style="list-style-type: none"> <li>• Setup our schedules and know which tasks to be assigned for the project.</li> <li>• Find information on the the building and programming while also coming up with plans.</li> </ul>	1/31/19
2. Second Period Documentation Completed <ul style="list-style-type: none"> <li>• Collect the data gathered from build.</li> <li>• Collect data from the programming for the bots.</li> </ul>	2/27/19
3. Third Period Documentation Completed <ul style="list-style-type: none"> <li>• Collect data from each team member for lesson learned</li> </ul>	4/3/19

<b>Schedule Conflicts</b>	<b>Deadlines</b>
1. President's Day	2/18/2019
2. Field Trip to Google Headquarters	2/28/2019
3. Field Trip to Microsoft	3/28/2019
4. Field Trip to Boston	4/5/19-4/7/19
5. No School	4/5/2019

## Team Organization

### Schedule of Meeting Times:

Event	Dates and Time
1. Regional Workshop	January 19th & 20th - <b>Completed</b>
2. Regional Tournament	April 7th, 2019
3. Team Meetings	During Class: 6th Period

### Division of Labor:

Tasks	People
1. Team Leader	Laura
2. Bot Building of Both Lego and Create	Jovanny, Victor, Nat
3. Programming for Both Bots	Laura, Brenda, Allan
4. Obstacle Course Build	Jovanny, Victor, Natalia
5. Documentation	Jovanny, Laura, Allan

### Conflict Resolutions:

The days we missed we are going to make them up after school.
If we are in a argument we will try and settle things quickly so we don't lose precious time.

### **Team organization:**

Schedule of meeting times:

We be working on project during our engineering class.