

Period 1 – Project Plan

(Plainview Middle School Robotics 19-0104)

I. GOALS AND TASKS

A) Game Goals and Tasks

- 1) Review botball game rules and documents – 1/17/19
 - a) Watch video presentation for 2019 games
 - b) Discuss rules and point system – 1/17/19
 - c) Review game board setup – 1/17/19
- 2) Brainstorm concepts – 1/17/19
 - a) Work on managing our time for each task – 1/17/19
 - b) Decide our starting point with our robots – 1/17/19
 - c) Divide into groups – 1/17/19
- 3) Build practice game board – 1/17/19
 - a) Dr. Harris and Jonathan retrieves and delivers game board supplies – 1/17/19
 - b) Dr. Harris, Mr. McClendon, and team set up game board at school – 1/17/19

B) Robot Building Goals and Tasks

- 1) Design both robots (Bot 1 & Bot 2) – 1/15/19
 - a) Complete plans for Bot 1 - 1/17/19
 - b) Complete Plans for Bot 2 - 1/17/19
- 2) Complete construction of Bot 1 – 2/5/19
 - a) Build body of Bot 1 - 1/22/19
 - b) Build BFA of Bot 1 - 1/24/19
- 3) Complete construction of Bot 2 - 2/5/19
 - a) Build body of Bot 2 - 1/22/19
 - b) Build BULLDOZER of Bot 2 - 1/24/19

C) Programming Goals and Tasks

- 1) Complete test program for both robots (Bot 1 & Bot 2) - 2/5/19
 - a) Practice program for BFA on Bot 1 - 1/29/19

- b) Practice program for BULLDOZER on Bot 2 - 1/29/19
- 2) Complete initial programming for Bot 1 - 2/7/19
 - a) Complete navigation program - 2/5/19
 - b) Complete BFA program – 2/5/19
- 3) Complete initial programming for Bot 2 – 2/7/19
 - a) Complete navigation program - 2/5/19
 - b) Complete BULLDOZER program - 2/5/19

D) Documentation Goals and Tasks

- 1) Period 1 documentation complete - 1/28/19
 - a) Group meeting to discuss schedule and documentation requirements - 1/15/19
 - b) Jeremiah provides rough draft for team - 1/27/19
- 2) Period 2 documentation complete - 2/20/19
- 3) Period 3 documentation complete - 3/6/19

II. SCHEDULE CONFLICTS

- A)** Honor Band events
- B)** Quiz Bowl events
- C)** Parent/Teacher Conferences

III. TEAM ORGANIZATION

A) Schedule of Meeting Times

- 1) Regional Workshop – 1/12/19 & 1/13/19
- 2) Team meetings: Tuesdays & Thursdays from 3-5 pm
 - a) January 8th, 10th, 15th, 17th, 22nd, 24th, 29th, 31st
 - b) February 5th, 7th, 12th, 14th, 19th, 21st, 26th, 28th
 - c) February – possible scrimmage against local school (date TBD)
 - d) March 5th, 7th
- 3) Regional Tournament – 3/9/19

B) Division of Labor

- 1) Middle School Team
 - a) Captain/Presenter – Jonathan Harris
 - b) Co-Captain/Documentation – Jeremiah Kagan
 - c) Programmers
 - 1) Jonathan Harris
 - 2) Jeremiah Kagan

- 3) Porter Robinson
- 4) Abhinu Mysore
- 5) Youngmeen Kwon
- 6) Albert Ma
- 7) Linlu Gou
- 8) Jennifer Ge
- 9) Ayan Ahmad
- 10) Reagan Howell
- 11) William Hall

d) Builders

- 1) Jennifer Ge
- 2) Mackenzie Rozzell
- 3) Jesse Smyth
- 4) Nicole Centeno
- 5) Madeline Ortiz
- 6) Jia Chai
- 7) Riley Styers
- 8) Andrew Zhao

2) Adults

- a) Mr. McClendon – Coach
- b) Dr. Harris – Assistant Coach
- c) Mrs. Kagan – Assistant Coach
- d) Mr. Will – IT consultant

C) Conflict Resolution

- 1) Those who are arguing will calmly discuss the problem
- 2) If further resolution techniques are necessary, those in charge of the bots will discuss the problem and take a vote.
- 3) If vote is a tie, Mr. McClendon will make the final deciding vote.