

**Hawaii
Highlands Intermediate Robotics
Team 0425**

Period One – Project Plan

Goals and Tasks for BotBall 2019

Deadlines:

Games Goals and Tasks:

1. Review game rules

2/3/19

- a. Hand out game rules
- b. Have members read aloud
- c. Ask members if they have any questions

2. Come up with a game plan

2/3/19

- a. Discuss possible game strategies for both robots and record results
- b. Use the most realistic game strategy

3. Construct the Game Field

2/16/19

- a. Gather components needed to build the field.
- b. Buy PVC that are regulated height
- c. Set up the Game Field

2/9/19

2/9/19

2/16/19

Robot Building Goals and Tasks:

1. Draft the design for the Create and LEGO Robot

2/20/19

- a. Draft a design for the LEGO Robot accompanied with a drawing
- b. .Draft a design for the Create accompanied with a drawing

2. Build the Create robot

3/12/19

- a. Build the base
- b. Build the arm/claw
- b. Build the Basket
- d. Build the tower

3. Build the LEGO Robot

3/12/19

- a. Build the drive
- b. Build attachments

c. Build the arm/claw

Programming Goals and Tasks:

1. Run test programs **2/2**

- a. Program movement
- b. Test arm
- c. Program sensors

2. Programing the Create **5/12**

- a. Program create to collect people, ambulance, and water.
- b. Possibly ram the tower for botguy
- c. Move the ambulance, people, water to non-burning medical center

3. Programing the LEGO Robot **5/12**

- a. Program LEGO robot to push fire truck and firefighters
- b. Program the claw to grab water and put it into the container
- c. Program the claw to grab and place the firefighters

Documentation Goals and Tasks:

1. Complete Period One Documentation **2/12**

- a. Set a schedule and assign tasks
- b. Collect information from programmers and builders

2. Complete Period Two Documentation **3/12**

- a. Gather data from the build team
- b. Gather data from programming team

3. Complete Period Three Documentation **4/10**

- a. Have members take survey
- b. Gather info about what members have learned

Schedule Conflicts:

1. Teacher Institute Day(February 11)
2. Presidents' Day(February 18)
3. Spring Break(March 18-22)
4. Kuhio Day(March 26)
5. VRC World Tournaments @ Louisville, Kentucky(April 21-27)

February

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

March

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

April

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Division of Labor

Landon - Team Leader, Builder, Programmer, and Documenter

Chase - Builder, Programmer, and Documenter

Lawrence - Builder, Programmer, and Documenter

Conflict Resolution

1. When we come across a problem, we will take about the possible solution that is agreeable with everyone on the team.

2. If we can't come up with a resolution, we will take to our advisor about our problems and solutions to these problems. She will then suggest pros and cons to our solution, which will help us finalize our solutions.