Oklahoma Southwest Covenant Schools: Iron Patriots Team 49 Period One - Project Plan

Goals and Tasks for Botball 2019

Games Goals and Tasks		Deadlines
1.	Build game table	1/26/2019
	a. Receive game table instructions	1/19/2019
	b. Build the game table	1/26/2019
	c. Put the tape on the game table	1/26/2019
2.	Get familiar with game rules and goals	2/1/2019
	a. Know tie breakers	2/1/2019
	b. Know names and values of game pieces	1/28/2019
	c. Know multipliers	1/28/2019
3.	Plan scoring ideas and strategies	2/1/2019
	a. Brainstorm best scoring ideas	1/28/2019
	b. Discuss the best scoring plans	1/28/2019
	c. Determine best scoring strategy	2/1/2019
Robot Building Goals and Tasks		Deadlines
1.		2/7/2019
	a. Mount Wallaby	2/7/2019
	b. Build Mechanical Structure(s)	2/7/2019
	c. Attach necessary sensors	2/7/2019
2.	Build Create	2/7/2019
	a. Mount Wallaby	2/7/2019
	b. Build Mechanical Structure(s)	2/7/2019
	c. Attach necessary sensors	2/7/2019
3.	Finishing Touches	2/14/2019
	a. Check for illegal parts	2/14/2019
	b. Check number of parts used	2/14/2019
	c. Create list of parts used on Create and Lego bot	
Programming Goals and Tasks		Deadlines
1.	Program the functions	2/19/2019
	a. Locate any KIPR program examlpes	2/15/2019
	b. Understand how the functions work	2/17/2019
	c. Implement program	2/19/2019
2.	Update functions library	2/18/2019
	a. Set standard variables and constants	2/16/2019
	b. Add functions	2/16/2019
	c. Test Programs	2/17/2019

	d. Share with class	2/17/2019
3.	Be 95% consistent	3/1/2019
	a. Program robot	2/28/2019
	b. Program comments	3/1/2019
	c. Test on board	3/1/2019
Docum	nentation Goals and Tasks	Deadlines
1.	Turn in Period 1: Project Plan	1/28/2019
	a. Create a Plan	1/23/2019
	b. Proofread	1/24/2019
	c. Turn in	1/28/2019
2.	Turn in Period 2: Code & Mechanical Systems	2/20/2019
	a. Consult Various Pods	2/13/2019
	b. Proofread	2/18/2019
	c. Turn in	3/3/2019
3.	Turn in Period 3: Lessons Learned	3/6/2019
	a. Consult Various Pods	2/25/2019
	b. Proofread	3/4/2019
	c. Turn in	3/6/2019
4	Onsight Documentation	2/25/2019
	a. Pictures	2/20/2019
	b. Write-ups	2/24/2019
	c. Completed	2/25/2019
Schedule Conflicts		Deadlines
1	Rose Day (Jr's and Sr's)	2/6/2019
2	Winter Break (All Students)	2/8 - 2/12
3	Band Contest	3/4/2019
4	Choir Contest	3/7/2019
5	Baseball games	4/4 4/7 4/9
6	"The Lion, The Witch, and The Wardrobe" Play	4/8 4/9

Team Organization

Schedule of Meeting Times

- 1 During school, there is one Botball class that meets from 2:50-3:35
- 2 Class will meet twice a month, or on Tuesday once every other week from 3:00 3:35 for for status meetings
- 3 If needed, there will be work days on Saturday to get extra work done for Regionals.

Division of Labor

The class will be divided into groups of 2 people called "pods". These pods will each be competing to see which robots will go to regionals. The class will discuss strategies and ideas for the game board and robots. Then the pods will each build a set of robots and work on documentation. These tasks will be divided between the 2 people in the group. When the set of robots is decided, then the other pods will focus on perfecting the documentation and the robots of the group that won.

In each pod, there will be a member that builds and programs the Lego robot, builds and programs the create, and both members will document the specifics of their respective robots. Each person will be responsible to know deadlines and ask questions.

Conflict Resolution

- 1 Disputing team members will try to settle differences between themselves. If it is members from different pods it will go straight to step 3.
- 2 If no resolution can be met between the two team members, then it will go to the other pods team members to resolve.
- 3 If it cannot be resolved by the above, then it will be brought to the teacher who will find the resolution.