

Period One - Project Plan

Game Goals & Tasks for Botball 2019

Game Goals & Tasks

1. Review the game rules movie and game documents. (1/15/19)
 - A. Have a meeting and pass out score sheets.
2. Brainstorm Strategies. (1/18/19)
 - A. Discuss game strategies and create a Radar Diagram.
 - B. Programers will lead discussion on options and will vote on the strategies to use for the season.
3. Build Practice Board. (1/16/19)
 - A. Build team will assemble supply list for the teacher to purchase at Home Depot.

Robot Building Goals & Tasks

1. Prototype the Lego and Create robots. (2/1/19)
 - A. Complete a labeled diagram of each robot and its plan for points.
2. Complete Construction on all robots. (2/14/19)
 - A. Complete construction of bodies.
 - B. Construct scraping mechanism.

C. Add sensors.

3. Review all builds to see if they correlate to the programming

Programming Goals & Tasks *

1. Run Test Programs. (1/31/10)

A. Program the basic movements using the Lego robot.

B. Program with sensors Lego(2) robot.

2. Complete Program for both robots. (2/15/19)

A. Write pseudocode with building team for Lego(1).

B. Program upper claw.

C. Program seesaw movement.

D. Test all programming for Lego(1) robot with build team.

3. Complete Program for Lego robot. (1/15/19)

A. Write pseudocode with the building team for Lego (2).

B. Program precision turns and line follow (2)

C. Program bulldozer on rear (2)

D. Program line sensors (2)

E. Test all programming for lego robot with build team (2)

Documentation Goals & Tasks

1. First period Documentation Complete (1/28/19)

A. Class meeting to set the overall schedule, assign tasks and decide on conflict resolution (for robots 1,2 - 1/18/19)

B. Gather info from building and programming teams to establish goals and tasks for the season (1,2 - 1/18/19)

2. **Second Period Documentation Complete** (2/18/19)

A. Gather info from build team for assignment (2/14/19)

B. Gather data from programming team for assignment (2/14/19)

3. **Third Period Documentation Complete** (3/4/19)

A. Set up computer for everyone to take survey (1,2)

B. Gather info from team members for lessons learned (1,2)

Schedule Conflicts

1. Basketball Tournament- several team members absent (1/17/19)

2. Assembly- all students will be absent from class (2/17/19)

3. Holiday- school closed - no meeting (2/17/19)

Team Organization

Schedule Meeting Times:

Regional Workshop - Jan 12 & 13

Tournament - March 9

Class will meet at regular class periods of High School 1:50-2:30 daily and Junior High will meet from 2:50-3:20 daily.

Division of Labor

Adult Team Leader- Mrs. Kelley

Robot building team- Jaiden and Johnny

Programers robot 1- River and Rachel

Programers robot 2 - Brayden and Jonas

Documentation team - Angel, Raney, Nariah, Nevon, Tessa

Conflict Resolution

Team members will attempt to work out the issue together, if no resolution can be reached Mrs. Kelley will intervene.