

## Oklahoma Region

# Period One - Project Plan

### Goals and Tasks for Botball 2019

#### Games goals and tasks

#### *Deadlines*

1. Review the games rules movie and games documents. 1/13/19
  - a. Have smartboard ready to show movie 1/13/19Copy game rules and distribute to team member for review 1/13/10
2. Brainstorm Strategies 1/17/19
  - a. Discuss game strategies and record them on dry erase board. 1/15/19
  - b. Team captain will lead discussion on options and club will vote on the game strategies to use for the season 1/17/19
3. Build Practice Board 1/24/19
  - a. Build team will assemble list of supplies for teacher to purchase at Lowes 1/20/19
  - b. Team leader and parent volunteers will help the team assemble game board in the classroom 1/24/19

#### Robot Building Goals and Tasks

#### *Deadlines*

1. Prototype the create and lego robots 1/31/19
  - a. Complete a labeled drawing of the concept for the create robot based on the chosen strategy 1/31/19
  - b. Complete a labeled drawing of the concept for the LEGO robot based on the chosen strategy 1/31/19
- 2 Complete Construction of Create Robot 2/12/19
  - a. Construction upper level hook mechanism 2/3/19
  - b. Construction collection bin 2/5/19
  - c. Construction dumping mechanism 2/10/19
- 3.Complete Construction of LEGO Robot 2/12/19

a. Complete construction of chassis	2/3/19
b. Construction scooping mechanism	2/7/19
c. Add line sensor	2/12/19
Programming Goals and Tasks	<i>Deadlines</i>
1. Run test programs	1/31/19
a. Programs basic movement using the workshop demobot	1/27/19
b. Program precision turns using the workshop demobot	1/27/19
c. Program each sensor using the workshop demobot	1/29/19
2. Complete Program for Create Robot	2/28/19
a. Write pseudocode with building team for Create robot	2/17/19
b. Program upper level hook mechanism	2/26/19
c. Program collection bin movement	2/19/19
d. Program dumping mechanism	2/21/19
e. Test all programming for Create robot with build team	2/28/19
3. Complete Program for LEGO Robot	2/28/19
a. Write pseudocode with building team for LEGO robot	2/17/19
b. Program precision turns	2/19/19
c. Program scooping movement	2/24/19
d. Program line sensor	2/26/19
e. Test all programming for LEGO robot with build team	2/28/19

#### Documentation Goals and Task

1. First Period Documentation Complete	1/28/19
a. Class meeting to set the overall schedule, assign task and decide on conflict resolution	1/15/19
b. Gather info from building and programming teams to establish goals and tasks for the season	1/20/19
2. Seconds Period Documentation Complete	2/19/19
a. Gather data from build team for assignment	2/12/17
b. Gather data from programming team for assignment	2/17/19
3. Third Period Documentation Complete	3/5/19

- a. Set up computer for everyone to take survey 3/3/19
- b. Gather info from team member for lessons learned 2/28/19

#### Schedule Conflicts

#### *Deadline*

1. Basketball- 3 team members absent 1/17/19
2. Holiday- No school - No meeting 2/17/19
3. Assembly- People in the band will be late to meeting 2/17/19
4. Jump rope- one team member will be gone 2/17/19

#### Team Organization

#### *Schedule of meeting Times*

Regional workshop - January - 9th and 10th

Regional tournament - March 5th

Each meeting will run from 3:15 pm - 4:15 pm

Schedule for January - 14th, 16th, 21st, 28th, 30th

Schedule for February - 4th, 6th, 11th, 13th, 18th, 20th, 25th, 27th

Schedule for March - 4th, 7th

#### *Division of Labor:*

Adult Team Leader: *Mrs. Bivins*

Robot Building Team for Create robot: Chenoa and Faye

Robot Building Team for LEGO robot: Jaken and Jonathon

Programming for Create Robot: Chyra, Chenoa and Faye

Programming for LEGO robot Jaken, Jonathon and Devon

Documentation Team: Faye, Chenoa and April

\* Jaken W. is our student team leader\*

#### *Conflict Resolution*

The team has agreed that if disagreement occurs we will handle them in the following way:

1. Team members who are in disagreement will first attempt to work out the disagreement together. Team members agree to allow everyone to express their opinions and thoughts one at a time and attempt to reach resolution.
2. If resolution cannot be reached, the team members will bring their problem to , the student team leader.
3. If a resolution is still not reached (or the disagreement involves the student team leader), it will be brought to Mrs. Bivins (only she can help), the adult team leader. Mrs. Bivins will either decide how to resolve the conflict or will bring to the team for discussion and a team vote. Mrs. Bivins' decision or the team vote will be final.