

*This is an example of a period 1 project plan that would score 100%*

Your Region

## **Period One – Project Plan**

### **Goals and Tasks for Botball 2017**

#### **1) *Game Goals and Tasks***

- a) Review the game rules movie and game documents, 1/13/17
  - i) Have projector and screen ready to show movie, 1/13/17
  - ii) Copy game rules and distribute to team members for review, 1/13/17
- b) **Brainstorm Strategies, 1/17/17**
  - i) Discuss game strategies and record them on dry erase board, 1/15/17
  - ii) Team captain will lead discussion on options and club will vote on the game strategies to use for the season, 1/17/17
- c) Build Practice Board, 1/24/17
  - i) **Build team will assemble list of supplies for teacher to purchase at Home Depot, 1/20/17**
  - ii) Team leader and parent volunteers will help assemble the game board in the classroom, 1/24/17

#### **2) *Robot Building Goals and Tasks***

- a) Prototype the Create and LEGO Robots, 1/31/17
  - i) Complete a labeled drawing of the concept for the Create robot based on the chosen strategy, 1/31/17
  - ii) Complete a labeled drawing of the concept for the LEGO robot based on the chosen strategy, 1/31/17
- b) Complete Construction of Create Robot, 2/12/17
  - i) Construct upper level hook mechanism, 2/3/17
  - ii) Construct collection bin, 2/5/17
  - iii) Construct dumping mechanism, 2/10/17
- c) Complete Construction of LEGO Robot, 2/12/17
  - i) Complete construction of chassis, 2/3/17
  - ii) Construct scooping mechanism, 2/7/17
  - iii) Add line sensor, 2/12/17

#### **3) *Programming Goals and Tasks***

- a) Run Test Programs, 1/31/17
  - i) Program basic movements using the workshop demobot, 1/27/17
  - ii) Program precision turns using the workshop demobot, 1/27/17
  - iii) Program each sensor using the workshop demobot, 1/29/17
- b) Complete Program for Create Robot, 2/28/17
  - i) Write pseudocode with building team for Create robot, 2/17/17
  - ii) Program upper level hook mechanism, 2/26/17

**Commented [MC1]:** Don't forget to include the header, which is a required element. Be sure to update this with YOUR info and not the default info included here!

**Commented [MC2]:** This version of the project plan document uses an outline format to help keep things neat and organized! See other scoring example for a different formatting option.

**Commented [MC3]:** This section begins with a header as required by the rubric.

**Commented [MC4]:** The Game Goals and Tasks section includes THREE goals and each one includes a target deadline.

**Commented [MC5]:** Each of the three main goals includes at least TWO tasks and each task includes a target deadline.

**Commented [MC6]:** The Robot Building section includes three main goals, each of which has at least two related tasks. All goals and tasks include target deadlines.

**Commented [MC7]:** The Programming section includes three main goals, each of which has at least two related tasks. All goals and tasks include target deadlines.

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- iii) Program collection bin movement, 2/19/17
- iv) Program dumping mechanism, 2/21/17
- v) Test all programming for Create robot with build team, 2/28/17
- c) Complete Program of LEGO Robot, 2/28/17
  - i) Write pseudocode with building team for LEGO robot, 2/17/17
  - ii) Program precision turns, 2/19/17
  - iii) Program scooping movement, 2/24/17
  - iv) Program line sensor, 2/26/17
  - v) Test all programming for LEGO robot with build team, 2/28/17

4) **Documentation Goals and Tasks**

- a) First Period Documentation Complete, 1/22/17
  - i) Class meeting to set up overall schedule, assign tasks and decide on conflict resolution, 1/15/17
  - ii) Gather info from building and programming teams to establish goals and tasks for the season, 1/20/17
- b) Second Period Documentation Complete, 2/19/17
  - i) Gather data from build team for assignment, 2/12/17
  - ii) Gather data from programming team for assignment, 2/17/17
- c) Third Period Documentation Complete, 3/5/17
  - i) Set up computer for everyone to take survey, 3/3/17
  - ii) Gather info from team members for lessons learned, 2/28/17

**Commented [MC8]:** Once again, this section includes three main goals, each of which has at least two related tasks. All goals and tasks include target deadlines.

5) **Schedule Conflicts**

- a) Basketball Tournament – several team members absent, 1/17/17
- b) Assembly – people in the band will be late to meeting, 2/17/17
- c) Holiday – school closed – no meeting, 2/17/17

**Commented [MC9]:** This section includes at least THREE scheduling conflicts that will need to be considered throughout the season.

**Team Organization**

**Commented [MC10]:** The second main section includes a header as required by the rubric.

**Schedule of Meeting Times:**

**Commented [MC11]:** The season meeting schedule is included here in calendar format.

WORKSHOP – January 9<sup>th</sup> and 10<sup>th</sup>

January

Mon	Tues	Wed	Thur	Fri
4	5	6	7	8
11	12	13	14	15
18	19	20	21	22
25	26	27	28	29


February

Mon	Tues	Wed	Thur	Fri
1	2	3	4	5
8	9	10	11	12
15	17	17	18	19
22	23	24	25	26
29				

March

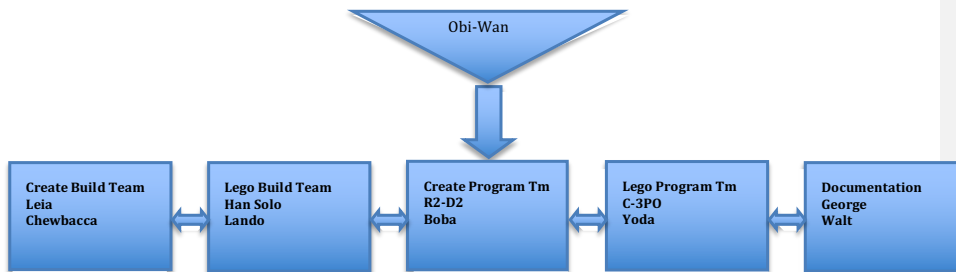
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Mon	Tues	Wed	Thur	Fri
	1	2	3	4
7	8	9	10	11
14	15	17	17	18
21	22	23	24	25
28	29	30	31	

 Indicates team meeting day

TOURNAMENT – March 5th

**Division of Labor:**



**Commented [MC12]:** The division of labor includes the position and the name(s) of everyone assigned to the position and is done in a chart format

**Conflict Resolution:**

The team has agreed that if disagreements occur 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 Han Solo, 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 Obi-Wan, the adult team leader. Obi-Wan will either decide how to resolve the conflict or will bring it to the team for discussion and a team vote. Obi-Wan's decision or the team vote will be final.

**Commented [MC13]:** The team has decided on a conflict resolution plan and it is included here as required.