GAME GOALS & TASKS

1. **Build Game Board**
   A. **Obtain supplies**   **1-17-19**
   B. **Construct to specifications**   **1-25-19**

2. **Set up game board and review scoring options**
   A. **Set up game board**   **1-29-19**
   B. **Study Guide & Demonstrate tasks to score points**   **1-30-19**
   C. **Decide which tasks to attempt by team consensus**   **1-31-19**

3. **Determine building guidelines for strategy**
   A. **Determine which bot will complete each task in strategy** **2-1-19**
   B. **Determine what capabilities the demobot must be built with to meet strategy** **2-5-19**
   C. **Do same thing with create bot**   **2-7-19**

ROBOT BUILDING GOALS AND TASKS

1. **Inventory and organize kit materials**
   A. **Inventory and organize metal pieces**   **1-25-19**
   B. **Inventory and organize lego pieces**   **1-25-19**
   C. **Inventory and organize sensors, motors, and servos**   **1-25-19**

2. **Generate a list of Building Requirements for strategy**
   A. **Separate tasks for each robot**   **2-7-19**
   B. **List build capabilities for each robot (i.e. reach 24" with claw)** **2-7-19**
   C. **Build with materials provided**   **2-15-19**

3. Determine Sensor/motor/servo needs
    A. review each task in strategy and determine which sensors will
       best perform task   2-7-18
    B. review each task and determine which servo/motor will best complete
       requirements   2-7-18

Programming Goals and Tasks

1. Learn to program DemoBot
    A. Review slides from workshop and do activities for each
       sensor & motor activities   2-8-19
    B. Set servos & motor activities as variables in code to
       values determined   2-15-19

2. Learn to program create
    A. review slides from workshop and complete
       activities to move   2-15-19
    B. learn to use built in sensors to navigate board   2-20-19

3. Ensure all code is labeled and commented to be read by multiple students.
    A. Each section of code must be clearly commented regarding the intended
       activity   2-20-19
    B. Paired programing will be used so at least 2 team members
       are able to modify and understand all activities.   2-20-29

Documentation Goals and Tasks

1. All submission requirements understood by team
    A. Requirements for documentation will be reviewed on Team
       Home Base and questions clarified in FAQ's   All Season
    B.   All teams (coding, building, strategy) will communicate and
       Assist documetation team with required information   All Season

2. Social Media Documentation
  A. A team page will be created on Facebook   1-25-19
  B. Updates and photos will be tagged with #botball   3-9-19

3. On Site Presentation Prepared
    A. All submissions will be prepared 24 hours ahead of due date and
        Reviewed by Mrs. Johnson   1-25-19
    B. On Site Presentation will be prepared, rehearsed, and given to class
        Prior to competition   3-8-19

Schedule Conflicts

January 4: Girls basketball tournament - No robotics class meeting this day
January 14: Wrestling Match - No robotics class meeting this day
February 18: No School, President's Day
March 8-9: High School Basketball State Tournament

Team Organization

1. Team will meet as a scheduled class Monday Through Friday 2:30-3:10 p.m.
2. The group is divided to 4 teams of specialization:
    a. Coders: Ryan, Rylee, Ezra, Mason
    b. Strategy (table, FAQ check, game rules): Brady, Ty, Ruben, Hunter, Dalton
    c. Build Team (Engineers): Jarrett, Corbin, Zane, Braydon
    d. Documentation/Presenters: Lexi, Bryson, Addie
    e. Team Leader: Promise
3. Each specialty area will discuss and agree on the best approach to meet our goals. Disagreements will be decided by our team leader. If further mediation is required, final settlement of disputes will be made by Mrs. Johnson