

## **Subject: Botball 2017 Feedback**

### **Botball/KIPR Operations**

1. Botball Game Design
  - a. The elements of the game need to have a learning objective.
  - b. The multipliers make the scoring unduly complicated.
  - c. Scoring needs to be obvious and easier.
  - d. We liked the use of objects that match the theme, such as the cow.
  - e. The game document needs pictures of what is described in words – in or out. FLL does a great job of describing their missions.
2. Cohorts issues
  - a. The purpose of Cohorts should be outreach and support to other teams.
  - b. The success (“scores”) of outreach should be added to documentation scores.
  - c. Cohort scores should not be added to robot performance scores.
3. Regional issues
  - a. Would like to have alliance competitions at the regional.
  - b. Need to keep all teams involved until the end.
  - c. Clarification on presentation rules.
4. GCER issues
  - a. Game changes need to be announced earlier (the day of the last regional)
  - b. Additional elements need to be available before school ends.
  - c. Clearer scheduling for presentations.
  - d. Address miscommunications with non-US teams.
5. KIPR Open Game Design
  - a. When something goes off the table, it should be out of play and should not return.
  - b. Rules need much more description.
  - c. Need more pictures to augment the descriptions.

### **Botball Robot Issues**

1. The Create has many issues and should be dropped from the program.
2. More metal parts to replace the Create.
  - a. A bigger platform.
  - b. A greater variety of parts.
  - c. More bendable parts.
  - d. A battery mount part.
  - e. Unlimited LEGO parts
3. Wallaby issues
  - a. More and better documentation on Wallaby functions and coding examples.
  - b. Improved servo ports on Wallaby, more protection from blowouts.
4. Sensors issues
  - a. Allow for other sensors, but limit the list by vendor and product.
  - b. Unlimited number of sensors.
  - c. Purchase only what you need.
5. Servo issues
  - a. Better servos, especially small servos.
  - b. Metal gears.
  - c. The small servos didn’t work with servo wire extensions.

### **Post 1010 Botball Program Issues**

1. *Good*
  - a. Spent more focused time preparing for GCER.
  - b. Conducted new member training in programming.
2. *Bad*
  - a. Ignored simple points.
  - b. Don't have new kids do documentation.
3. *Ugly*
  - a. Didn't test bots together.
  - b. Didn't know our team number.