

# What's New in Botball 2023

## Botball Community

- The Youth Advisory Council (YAC) is being reinstated. KIPR will be accepting applications on the team homebase. Interested team members should apply by April 1.
  - YAC is a student organization that provides feedback directly to KIPR as well as helps plan and organize some student activities at tournaments and GCER.

## Piece Changes in the 2023 Kit

- Two sensor extension cables in the kit now.

## Changes in Documentation and Surveys

- Team survey no longer a part of documentation, however there will be a required coaches survey to complete before the tournament.

## Team Home Base

- The Official Botball FAQ is now located on Discord. You can find the link to our server as well as instructions on how to use and search the FAQ there.

## Rule Changes

There are a few major changes/clarifications that were made to the rules this year.

- DE/DS Interference Rules – focused on what happens if your robot crosses to the other side of the table (see scoring rule 15a and 15b).
- T-Shirt rules regarding the appropriateness of shirts.
- Clarifications on filming of robots and Spirit of Botball.
- Practice rules – Teams may bring up to 3 members to the practice table. Teams are also asked to stay at their practice table when they are up for practice.
- Construction Rules – Clarification on what counts as modification of a Lego piece
- Robot Logistics – There are two starting boxes this year. The large of the two is 14" tall and the smaller is 21" tall.

## Game Board Changes

On the Botball Game Board this year, there are new mechanisms and game pieces that have not been a part of the game in the past and that teams should be aware of.

- Ping pong ball drop – One minute into the game, the servo that is holding the ping pong balls in their tube will move, letting them drop. This will be automated by the game software but teams can always use a popsicle stick or something similar to release them themselves in practice.
- Light switch – On the official Botball tables, the light switch will be connected to an LED strip that will turn on when the light switch is flipped to on. This is optional for practice tables teams build though since this does not affect the game in any way.
- Reverse Engineering Tool – The structure in one of the outside corners of your side. The ring on it must be moved up the levels to score.
- Pool noodles – Teams may start green ones on any of the four posts available to them. Red ones start inside structures in center of table.

- 3" Coupler – Teams should make sure that the 3" coupler they buy matches the size descriptions mentioned in the game build. Typically the Charlotte brand will match those. All other PVC connectors are LASCO brand though.