What's New in Botball 2020
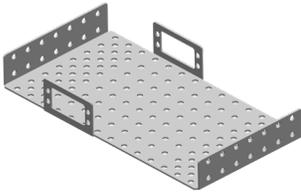
Part Changes in the 2020 Kit:

New Controller - Wombat

- Teams may reuse 1 or 2 Wallabies from previous years instead of a Wombat if they so choose

Steel Wombat Chassis – ADDED

Changes in Documentation
Check the team home base to see changes to each documentation period and onsite presentations. The rubric has changed considerably and you will need to prep all season for your onsite presentation, so look ahead at it now, teams will not be prompted during their onsite presentations.

Team Home Base
A team accesses the Home Base by logging into www.KIPR.org with their Botball Team account and navigating to the Botball (Main Page) -> Team Resources (Menu Button) -> Team Homebase (Menu Drop Down). You can find the FAQ and submissions pages as links at the top of that page. The game review also has a 3D model of the game board in the PDF that can be manipulated and viewed.

Demobot Build Changes
This build and slides will be available on the Team Home Base. Instructors can view this after logging into www.kipr.org with the Instructor login. All construction on the Demobots is somewhat different.

Multiple Regions

During registration, teams will select a "Home" region this year. This is the region where they will attend the Botball workshop, pick up their robotics kit and game pieces, will be submitting documentation, and will be eligible to win any awards (Seeding, Doc Scores, DE, Overall, Special Awards, etc.).

Teams will then have the option to attend any other tournament as a "visitor", as long as that tournament takes place after their home regions workshop. While visiting teams will participate in the whole tournament day (besides onsite documentation), visitors are only eligible to receive an award for their placement in Double Elimination rounds. All other awards are only available to home teams. ***This means that a visiting team CAN NOT win the awards of Seeding placement, Outstanding Documentation, Overall placement, or any of the Judge's Special Awards.***

Visiting teams pay an additional $200 registration fee per non-home tournament that they attend and MUST register two weeks before the date of the tournament they'd like to visit.

Curriculum

The curriculum for Botball has been updated with several new changes and modules made in the past year including better camera curriculum, how to use the gyroscope, averaging sensor values, and using the Create sensors.

Software

- The wait for light function has been changed and will display differently on the screen
- The Wombat has a backup and restore page now where teams can download all of their code from the controller or restore all of the code from a previous backup
- The Wombat can update over an Ethernet cable that's connected to the internet