Hungry Hungry Robots Challenge

**Objective:** to be able to build a remote controlled robot using 2 LEGO Mindstorms kits to grab a set of objects and return them to base as quickly as possible.

**Setup:**

Blue

Base

Red

Base

Blue

Zone

Red

Zone

-4x8 FLL table with field cut into thirds with red, blue and yellow LEGO balls placed as shown.

-Balls should be placed on one of the LEGO tires found in the 9797 kits.

-Yellow balls should be placed on two or three tires making them stand taller than the rest.

-Square bases can be made with spare LEGO parts so that the walls are as high as the balls are.

-Bases should be made large enough to accommodate 7 balls.

**Rules:**

-Each team may set their robot anywhere in their starting zone and must go for the balls of the same color as their zone (Blue zone goes after blue balls, red zone after red balls).

-The two yellow balls in the middle are available for either team to get.

-Each ball is worth 1 point.

-In case of a tie, the first team to get a ball in their base wins.

-Any ball that touches the table is a dead ball and cannot be used to score.

- Any team that knocks an opponent’s ball off of its pedestal will be penalized 1 point.

-Each round lasts 2 minutes, the team with the highest score wins.

**Limitations:**

-Robots and controllers will be limited to the pieces found in two 9797 kits.