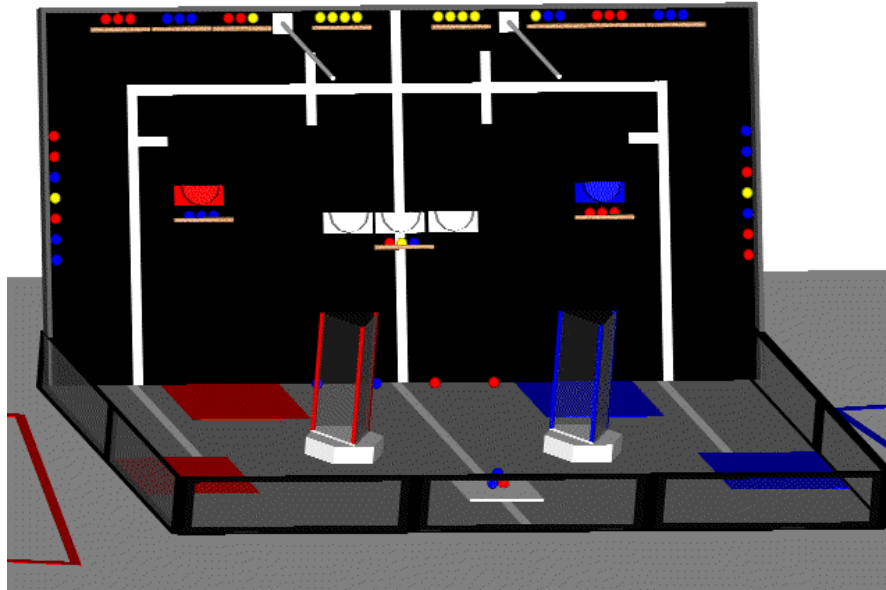


CREATE

Magbot Mayhem

Game Description & Scoring



The Game:

Magbot Mayhem is played on a 12'x14' playing field comprised of a 12'x8' horizontal field and a 12'x6' vertical field configured as seen above. Two teams – one (1) “red” and one (1) “blue” – compete in a match. Matches consist of a twenty-second autonomous period followed by two (2) minutes of driver-controlled play.

The object of the game is to attain a higher score than your opponent by placing red and blue racquetballs and yellow bonus racquetballs into goals. In addition, a team can earn additional points by “parking” robots on the $\frac{3}{4}$ ” high, 15” square platform or hanging from the 1.25” diameter rods mounted at the top of the vertical wall.

A bonus is awarded to the team that has the most total points at the end of the autonomous period.

The Details:

There are a total of sixty-five (65) racquetballs available as scoring objects in *Magbot Mayhem*. Fifty-seven (57) of these balls will be found on the field, while four (4) will be available to each team prior to the match. Fifteen (15) of the Sixty-five (65) balls used in the game are bonus balls. Thirteen (13) bonus balls will be on the field

and two (2) bonus balls, one for each team, will be available for preloading.

Each robot (no larger than 18”x18”x18” to start) begins a match touching one of the colored driver station tiles for their team. There are two triangular bin shaped goals designated for each team, at a height of 27.5” off the ground. These two goals are mounted on movable platforms. There are five (5) semi- cylindrical goals on the wall, one (1)-red, one (1)-blue and three (3)-neutral. Red and blue balls count one (1) point in all goals of their same color and one (1) in neutral goals. Yellow bonus balls count five (5) points in red and blue goals but have no value in neutral goals.

Scoring:

Autonomous period bonus	10 points
Red/blue balls in neutral or team goal	1 point
Bonus ball in red/blue goal	5 points
Bonus ball in neutral goal	0 points
Robot parked on platform	15 points
Robot hanging from rod	25 points