

**Robot:**

## Restrictions:

- 20" (L) x 20" (W) x 30" (H) starting bounding box
- Cannot be built to intentionally cause harm to other robots
- Cannot touch the floor of the opposing side
  - You can touch the walls, though.
- No flying please!
- Don't treat field walls as stable structural elements (because they aren't built to be)

**Game and field:**

## How long is a game?

- 3 minutes (may change) per side. A round is made of two games. A team plays once on one side of the field, and then switches to the other.

## How big is the field?

- Not predefined, but it will be ~15 ft in diameter, with some interior walls that need to be navigated.

## What shape is the field?

- Not predefined. It may change between rounds of the competition. The only given constraint is that internal wall angles will be greater than or equal to 90 degrees.

## Size of the center platform?

- The height is 4 in. It is 8 in deep (dimension perpendicular to the wall) and will be some multiple of a foot long (probably three feet, although this might change). Physically it is a box.

## Will there always be four towers of three blocks to start with?

- There may be more than four towers

## Are blocks "neatly" stacked? (Faces are co-planar, holes are co-linear)

- Yes, to the best of our ability

## Will text file map have only coordinates of towers? Or will it have an actual map with walls, and tell us composition of towers?

- Map with walls, tower coordinates (and stack order). The map format will be released later on.

## Is there a time limit?

- 3 minutes

**Parts:**

## How does ordering and reimbursement work?

- Ask the staff first!!! If we approve of the purchase for reimbursement, then go for it. If not, then you still may be allowed to buy and we could subsidize cost. We just don't want you to get a hold of something advanced that could give an unfair advantage over other teams. Hence, always run purchases by the staff FIRST. We will ask you for some justification (designs).
- Also remember: you have a \$100 budget. Use it wisely.

Will you stock 1/8" MDF or plywood?

- Only 1/4" MDF

What set of x are in stock?

- Check the bins if the [parts list](#) doesn't have x.