

# I.A.M. ROBOT

## COMPETITIONS 101 ROBO-RUNDOWN

Materials to help you through *FIRST* Robotics Competitions

### Field Rules

#### ALWAYS

1. Wear your drive-team pin
2. Send ONE person to talk to the head referee
3. Access the field on a GREEN light
4. Check the game pieces before a match
5. Wear safety glasses
6. Be a good person!

#### NEVER

1. Use wireless devices on the field
2. Be late for your match
3. Throw a match
4. Ask a team to throw a match
5. Jump over the rails
6. Bang on the glass
7. Throw game pieces
8. Allow coaches to touch anything during the match

△ Technician and Media Pass = Never signal or coach ▽

### Pit Rules

#### ATTIRE

1. Wear close-toed shoes
2. Tie your hair up
3. Long pants
4. Safety-Glasses

#### ACTIONS

1. Don't run in the pits
2. Avoid overcrowding
3. Keep the pathways open
4. Be conscious of your surroundings
5. Limit food and drinks

#### 4810 Recommends!

1. Keep extra safety glasses in your pit!
2. Create a pit schedule to avoid overcrowding

## Competition Breakdown

### THURSDAY: Pits Set-Up (5:00pm - 10:00pm)

- Prepare for Inspection!
- Official Inspection Checklist: <https://goo.gl/X64fnZ>

### FRIDAY: Day 1 (8:00am - 8:00pm)

08:00 AM Pits open  
10:30 AM Opening ceremonies  
11:00 AM Matches begin  
01:00 PM Lunch begins  
01:30 PM Lunch ends, matches resume  
07:00 PM Matches end  
08:00 PM Pits close

### SATURDAY: Day 2 (8:00am - 6:30pm)

08:00 AM Pits open  
09:00 AM Opening ceremonies  
09:30 AM Matches begin  
12:30 PM Alliance Selections  
01:00 PM Lunch begins  
02:00 PM Elimination rounds begin  
05:00 PM Elimination rounds end  
05:00 PM Awards  
06:30 PM Pits close

### 4810 Recommends!

- Arrive right when pits open = More time to work !
- Annotate your match list!
  - Highlight all your matches.
  - Pay attention to what color bumpers to wear during what match
- Don't leave if you do not get picked for an alliance. Stay and watch the award ceremony!

## Pack Your Pit

Pit: 10x10 space

- Bring any tools, parts, and things you need!
- Decorate it to match your team's aesthetic.

Things to Bring:

Tool Cart	Tools	Storage	Controllers	Driver Laptop
Battery Charger	<u>Batteries</u>	Seating	Robot Cart	<u>OUTLET STRIP</u>

## Pit Announcements

### MATCH QUEUING

Announcer calls out each match number. Pay attention to this!

- This is when you will know when to leave to get on the field for your match.

*Your alliances partners will come to strategize so make sure you are always ready before matches!*

### DRIVER MEETING

When the head referee will go over rules with your drive team.

- This is the time to ask about any rules you don't understand!

### OPENING CEREMONY

Everyone goes to the stands and the competition begins!

### ALLIANCE SELECTIONS

The top 8 teams choose who they want to take into play-offs with them.

### AWARD CEREMONY

Teams find out if they won any awards!

## Alliance Selections

First seed team picks first, then goes down the line (second seed, third seed ... )

Once each seed has chosen their first pick, the eight seed gets priority on their second pick, returning to the first seed picking last.

If you are not one of the top eight seeds and you decline to join an alliance, you are disqualified and can no longer be chosen.

### 4810 Recommends!

Don't decline! Only decline if your robot is broken and completely unfixable.

It is an accomplishment to be chosen. Be happy!

Accept graciously! Many teams use the phrase, "On behalf of team #### and all of our sponsors, we graciously accept!"

## Pre-Match Checklist

- Check your bumper colors
- Strategize with the teams in your next alliance
- Replace battery with a fresh battery (*ALWAYS CHECK*)
- Battery is plugged in and strapped down
- Pneumatics are pressurized
- All robot functions have been tested
- All bolts are tightened
- Chains are tightened
- Electrical connections are secure

If you catch us at a competition,  
feel free to ask for anything!