

Competition General Rules

Only team members are allowed in competition area. Team members must ensure that they do not block the judges' views.

Only student team captains may speak to the judges. The student team captain is the lead student representative for that team.

Robots/drones must be presented for a compliance check before going to the competition floor.

In the event that the robot or drone breaks down during the challenge, the team will not be given any extra time to fix its robot or drone.

The role of an adult is that of a facilitator and thus all work prior to and at the competitions should be the work of students and not adults. Adults are not allowed to use team computers or to touch robotics equipment during the competition. Teams who receive adult assistance will be disqualified.

Teams are not allowed to modify another team's robot, drone or program. Teams will be disqualified for this action.

Coaches are responsible for verifying that all students have read and understand the rules of the competition. Teams are expected to know the rules and to begin competing immediately when they come to the floor.

Judge will practice and apply across all challenges. No video or photographic record, made by judges, team coaches/parents, spectators or students of an event will be used for judging purposes.

Team leaders can observe the competition from the spectator area and will not have access to the team preparation area after opening ceremonies.

Except to go to and from the competition floor, technology (robots, drones, laptops, external drives, etc.) is not allowed to leave or enter the team preparation area after opening ceremonies.

Robot Design Rules

Teams may only utilize the robots and drones identified. Any version of the Basic Stamp 2 Microcontroller is acceptable.

Teams may NOT use the Parallax Robot Shield with Arduino or Propeller platforms at this time.

There is no limit to the number of sensors teams can use as long as teams abide by the robot design rules in the guidelines.

Teams must use unmodified, stock standard or continuous servo motors; no modifications to the servo motors are allowed.

Use of high speed or modified servos will result in disqualification.

Robots must be autonomous and may not be remotely controlled.

Teams may not use any materials (for example: oil, glue, and tape) that may adversely impact another team's performance by altering or leaving residue on the floor.

Strings or rubber bands may be used so long as they do not adversely impact another team's performance.

All pieces, extensions, actuators, cables and any other items associated with that team's robot must fit within the home base.

Things to Keep in Mind

Lighting conditions of floor can affect the performance of the robot.

There might be bumps or uneven sections on the floor.