



Coaches & Officials Problem

Covid Shots

A. The Problem

Coaches are hitting back at Covid during this year's World Finals. Your problem is to design, build, and operate a device that propels two tennis balls at a covid cell-shaped target. All participants will work together to destroy this nuisance target with their creativity!

B. Limitations

1. Coaches can work individually or with team members/parents as a single entrant.
2. The Device:
 - a. must be designed, built, and operated by the coach and/or team members.
 - b. must be original; however, it may include commercially produced parts. The propulsion system that propels the tennis balls is not allowed to be a commercially produced item made for launching balls.
 - c. must use only direct or indirect human power. For example, it is not allowed to use electric and must comply with the general rules of the Program Guide.
 - d. must be safe in its design. If it is judged to pose potential harm to anyone or the competition site, it will be prohibited. See the *2020-21 Odyssey of the Mind Program Guide*.
 - e. must fit through a standard doorway. No part of the device may touch the target, it can only be hit by tennis balls.
 - f. will launch two standard tennis balls, one at a time.
 - g. will be judged on creativity (including: how it propels the balls, overall design, use of materials, etc.
3. The Tennis Balls:

- a. cannot be altered in any way. The only exception is writing the team's name on it for retrieving the balls.
 - b. must be propelled in a safe manner.

4. The Target:

- a. will be placed no less than 10' away and no more than 25' away.
 - b. will be provided by the Tournament Director.
 - c. will remain in one place until it is knocked down by the devices.

C. The Competition

1. If needed, entries will be assigned a number when registering at the competition site.
2. When your number is announced, you must take your solution to one of the Shot Spots marked by a taped X on the floor.
3. A judge will blow a whistle to indicate that it's time to launch the balls at the target.
4. Contestants will work simultaneously to try and destroy the target as judges score the creativity of the devices.
5. Nothing can be thrown or launched into the audience.

D. Awards

1. Awards for the most creative device will be given for 1st, 2nd, and 3rd place as determined by the judges.
2. Overall Style will also be awarded to the entry that has the most creative/popular appearance.