

Competition Arena (*Music Festival*)

DESCRIPTION: Using 3 robots per team, participants will work together or individually to place onto their designated team Large “Headliner Stage” performers to assemble a complete four-member band. In addition, the teams will gather as many additional band members into smaller circular “Small Stages” along the perimeter of the playing field.

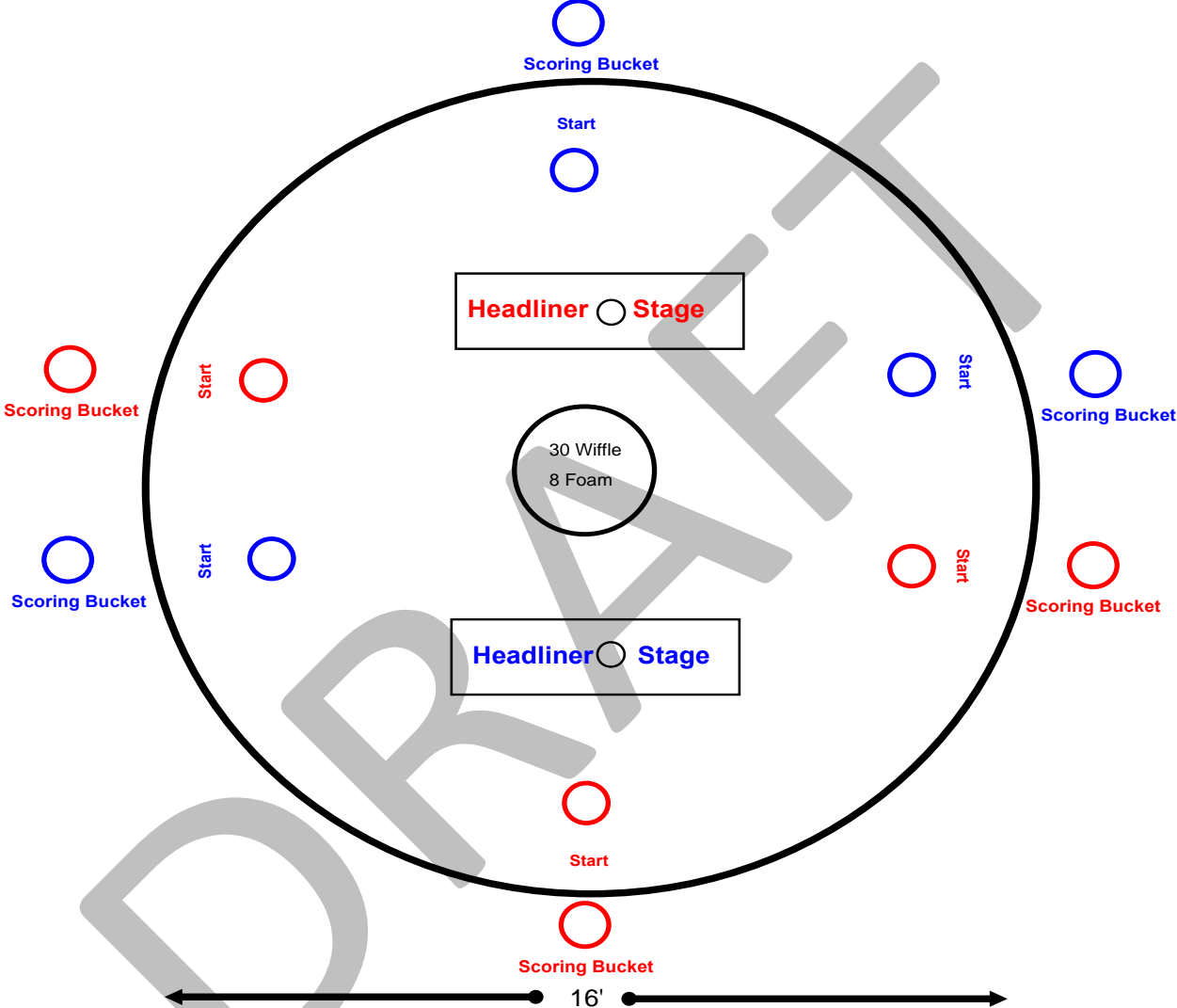
“Small Stage” Band Members (30 White Whiffle Golf Balls) are released in the center of a circular arena. “Headliner Performers” (8 Yellow Foam Golf Balls) are also released at the same time and are randomly mixed in with the whiffle balls. Robots will need to place as many “Small Stage” white whiffle golf balls into the Circular Small stages. Once a ball is inside the circular ring the CEENBoT driver will place the ball into the scoring bucket for a 1 point value.

In addition, 8 yellow foam golf balls will be designated as the featured band members. Each team must drop the yellow foam golf balls into their designated Headliner Stage 2.5” hole. To complete this challenge, each team will need to drop a complete band (4 yellow foam golf balls) into their Headliner Stage hole. Play will continue until all white whiffle golf balls have been gathered. Once all white whiffle golf balls have been gathered the game is over. Headliner Stage balls are worth 2 points each (maximum of 4 balls per team). If all 4 band members are scored an additional 5 points will be awarded.

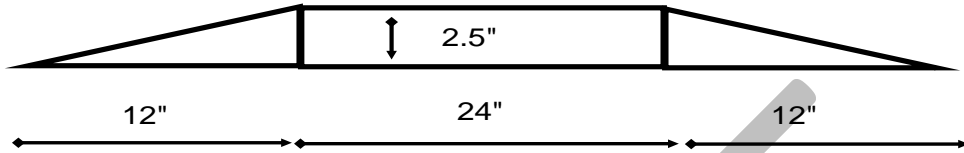
Rules

1. Participants will place as many white whiffle balls into the Small Stage rings and transfer them into the scoring buckets until there are no more in the arena.
2. Each team will start in their specified starting zone.
3. Once in the scoring ring drivers can immediately move the ball into the scoring bucket.
4. Only current CEENBoT drivers will be allowed to move balls from the Small Stage ring into the scoring bucket.
5. Drivers must remain within their designated Start Zone during the entire match.
6. A team will receive 1 point for each “Small Stage” performers that are successfully transferred into the Scoring Bucket.
7. Additional points will be awarded for Headliner Stage performers (yellow foam golf balls) that are dropped through the Headliner Stage hole (2 points per ball scored). If all 4 Headliner balls are scored before the Small Stage (white whiffle golf balls) are gone, an additional 5 points will be awarded.
8. During play, if a yellow foam golf ball is placed inside the Small Stage ring it is considered a foul ball and removed from play by a judge only with no scoring and no deductions.
9. Aggressive defensive play is not allowed and can result in immediate disqualification at the discretion of the judges. For example, intentional ramming into another bot is considered aggressive defensive play.
10. In case of a tie - a 30 second extra time period will be played to determine the winner (white whiffle golf balls only).
11. The modified CEENBoT must fit within a specified footprint of 18’x18’x18’ at the beginning of the game. CEENBoTs can “expand” once the balls have been released.

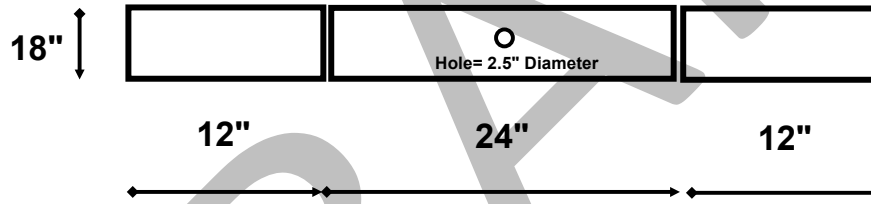
Field Conditions



Ramp - Side View

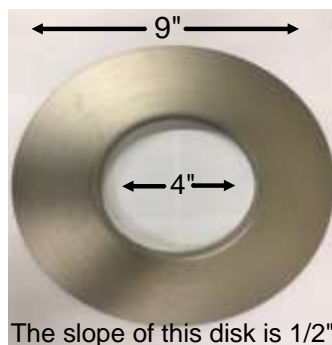


Ramp - Top View



Note: Rings were purchased at Home Depot. The maximum number of whiffle balls that can fit into the rigs is 3. As soon as a whiffle ball is inside the ring the driver can remove it and place it in the scoring bucket just outside the arena.

DRAFT



The slope of this disk is 1/2"