

Moon Buggy Rescue

Description

Your robot must drive towards the stranded Moon Buggy, secure it, and tow it back to the Start Area. A barrier of some sort should be set up where the black curved line is shown on the graphioc below.

Rules

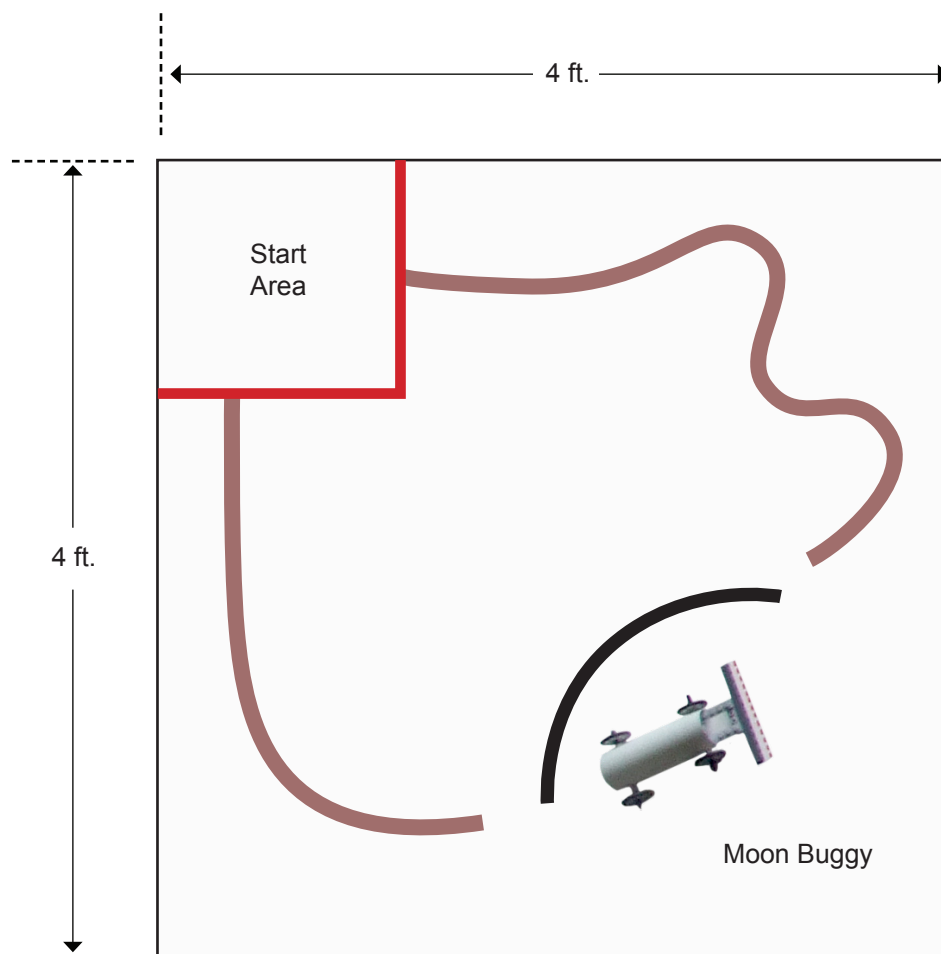
1. The robot must start in the designated Start Area. No part of the robot can extend beyond this border, even if it is not in contact with the board surface.
2. The robot must reach the Buggy, 'grasp' it using actuators, and continue without knocking down the barrier.
3. The Moon Buggy should be placed so that none of it is outside the Start Area at the end of the mission.

Scoring

25 points for a completely autonomous mission, with the Moon Buggy safely returned to Start.

15 points for placing the Buggy on the robot by hand, and then completeing the mission.

10 point penalty for disturbing the barrier during the mission.



Note: Board size and prop placement can be approximate. If your camp provides two boards for the same mission, the boards should be identical so that teams can practice and complete tasks on either board without re-considering measurements.