



# ROBOTICS CHALLENGE

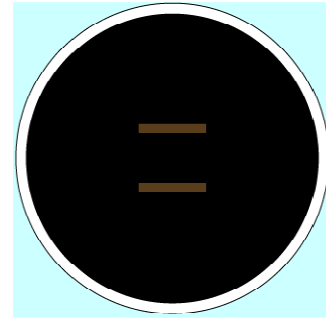
## Challenge Description

### “My Teacher”

Build two similar robots. One robot is the “teacher”, one robot is the “student”. During the trial, the “teacher” robot enters the “classroom”, demonstrates the “lesson”, and then the student copies the teacher.

## Specifications

- Robots will use the Sumo playing field for this event.
- The teacher starts outside the circle, enters, and performs at least **four** tasks (your choice). Using mail, the teacher sends the program to the student, who then executes the same commands.
- Robots must be made with LEGO Mindstorms Robotics Invention System and be programmed with Robolab programming environments.
- Robots can consist of a maximum 2 RCX, 8 Wires, and 4 motors.
- Nothing can be added or removed from the robot during a round.
- No non-lego parts are allowed
- Challenge is maximum 1 minute long



## Adaptations

- Have the robots actually pass some object off to one another, perhaps to manipulate in some way.

## Scoring

- 100 point challenge.
- 20 points for each adaptation noted above.
- Robot may not be handled during trial.