

Micro Worlds Robotics Challenges

Name(s): _____

You may do the following in any order, however the last one, the Group Challenge, has to be done by the groups at the same time - so get together with the other groups and pick a good time for all groups - maybe at the beginning of the period or at the end. Have the teacher initial each challenge as you complete it. Good luck and have fun!!

Challenge 1:

Program your car to go forward one square on the floor, pause, then back up to the same place it started.

Challenge 2:

Program your car to turn around exactly once and end up facing the way it started.

Challenge 3:

Program your car to go all the way around a chair.

Challenge 4:

Program your car to go around only 2 legs of a chair.

Challenge 5:

Tape or rubber band a marker to your car and program your car to draw a square.

Group Challenge:

Program your car to go from the open door of Room 203 to the open door of Room 201. The closest car without going past the door wins. YOU may go out in the hall to do calculations, but you MAY NOT take your car out to practice.