



WRO REGULAR CATEGORY FAQ

WeDO regular category

Q. In which Home Areas can the robot start?

Because of an error in the Game Description it is not completely clear where the robot can start. The Game Rules are leading: The robot must start an attempt from within any one of the four Home Areas that is **not the Garage**. The robot must start inside the green/black line.

***(Kindly see the updated game rule for wro wedo category (regular))**

Q. Is it allowed to move the children by hand from home area to home area?

Yes, it is allowed to move children from one Home Area to another Home Area. Please keep in mind that it is only allowed to touch children once they come to a Home Area (Game Rule 11.2).

Q. Is it allowed to put the robot by hand from a Home Area to the garage?

No, that is not allowed. To get the 20 points for "Robot completely stops within the Garage." the robot must drive their autonomously.

REGULAR JUNIOR HIGH

Q. Do I get penalty points if the walls are moved inside AREA 2?

No, penalty points are only given if the walls are moved to the outside of the light grey area. The area 2 (e.g. around the green and yellow wall) are seen as inside the light grey area.

Q. Can I put a bulb in Area 2 if there is only one bulb of that color or does it need to go to Area 1?

An example in the rules apparently gives some confusion. This explanation says:

"Example: If there are two green smart lights on the field, you need to bring one to AREA 1 and

one to AREA 2. If you bring both to AREA 2, you will only get the points for one smart light.

If there is a black old bulb in AREA 1, you will need to remove that to the Trash Area



in order to

place a new green smart light in AREA 1."

This is just an example!

It does NOT mean that you are obligated to put green, yellow, red or blue bulb into Area 1. You can choose to put any bulb in Area 2, also if there is only one of that color.

It also does NOT mean that you will only get points for that bulb in Area 1 if you succeed in bringing the black bulb to the Trash Area. (You can also just push the black bulb away and still get points for the colored bulb.)

As always: the end result counts: points are given at the end of the attempt, based on the scoring table mentioned in the rules.

REGULAR SENIOR HIGH

Q. Do I get penalty points if I move the wall to the inside (white & orange area)?

No, penalty points are only given if the wall construction is moved to the outside of the light grey area. The orange area (to place the fiber optic cables) and the white area (to place the node devices) are as seen as inside the light grey area.

WRO FOOTBALL

Q. How many wheels can I use.

Rule 8.9 for Football can cause some confusion, because it specifically mentions omni wheels. It was written this way because almost all robot designs use omni wheels. But the intention of the rule is that each robot can have a maximum of three driven wheels in total.

Therefore the rule should be read as follows:

8.9 A maximum of three driven wheels - built of only LEGO branded components - can be used on a single robot. Use of a reciprocating kicker in the remaining EV3 output port is strongly recommended.

WRO ADVANCED ROBOTICS

Q. Can teams use the OpenMV camera?

The OpenMV camera is more than just a sensor, it is almost a stand alone computing unit on its own.

Referring to this and the answer to the question before (supportive / other controllers), the OpenMV camera is not allowed.



WRO FAQ -2

Q. As per Wro regular category Rule 6.11 the game time begins as judge give signal to start and teams using the ev3 software have benefit that on pressing the button the robot starts immediately however teams using the python and some others software have to wait some time as robot needs some time to compile. How to deal with the situation?

Ans: Allow teams to switch on the robot on the few minutes prior to their actual run. Its team's decision to use their choice of language and also understand/test out the implications prior arriving to competition.

Q. If during the run any part of Robot goes out of wall boundary (even in air) of playfield then A) Should referee stop the game (b) for a moment it can be allowed?

Ans: Robot part going out of wall boundary (even in air) is allowed if it is not taking the support of upper part of wall .However if robot completely leave the Table then game will be stopped.

WeDo category

Q. Can a team switch on the charging station manually?

Ans : For WeDo robot needs to switch on the charging station and it cannot be done manually. The rules say: During the competition, each team will use their robot to turn the Charging Station on when the robot drives into the Garage and finishes.

Regular Junior

Q.Is it mandatory to remove the old bulb from Area 1 to place the smart bulb in area 1?

This question is partly answered in the Q&A: Yes, you need to remove the Black Bulb in order to place the smart bulb. But it is not mandatory to bring the black bulb to the trash area.

Q If Robot places the smart bulb in Area 1 of any coloured area and also old bulb is partially touching the Area 1 (grey rectangle) then will the team get score?

There is no score for the smart bulb then. Because it is specified that the black bulb needs to be removed.

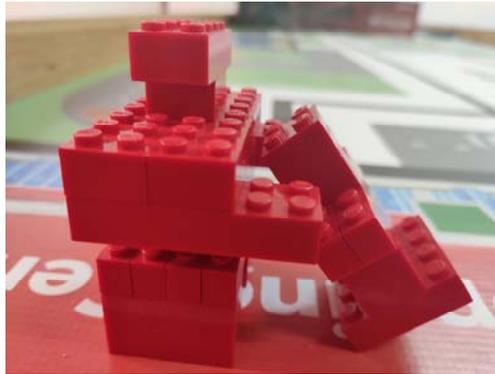
WRO FAQ-3

WRO REGUAL ELEMENTARY

Q Please consider the image below . Will the adult in image (a) will be get score for standing position s?In image (b) will child get the standing position score



(a)



(b)

Answer:

In image (a)

in examples the passenger(adult) is not standing. Reason: If there would be no wall or other passenger, the passenger would have fallen over. So upright position score

In image (b)

Similarly child is not standing as it will fall down if no support ..SO NO standing position score.

Wro football

Q. In this year's WRO football, there is a confusion with the rule for robot specifications wherein point no. "8.9", Is it asking the teams that they can build a robot with three driving motors and one kicking mechanism, if the driving is holonomic?

Or, can the teams with non-holonomic drive can have more than one kicking mechanism

Answer: The football question is partly answered in the Q&A section on the website. But not specifically the kicker part. Robots with a non-holonomic drive could use two kicking mechanisms, because they have 2 motor ports left. And I see no restriction to using multiple kickers in the rules