



World Robot Olympiad South Africa

REGULAR CATEGORY SURPRISE RULES

18 September 2021

Age groups Elementary, Junior, Senior



WRO International Premium Partners



Regular Category Surprise Rules

The surprise rule must be on the table during the run, teams that submit a video without the surprise rule on the table will receive 0 (zero) as a score. This does not mean teams must attempt the surprise rule they can choose to ignore it but the elements must be on the table in their starting positions. The surprise rule elements are allowed to be moved and no points will be lost for moving them.

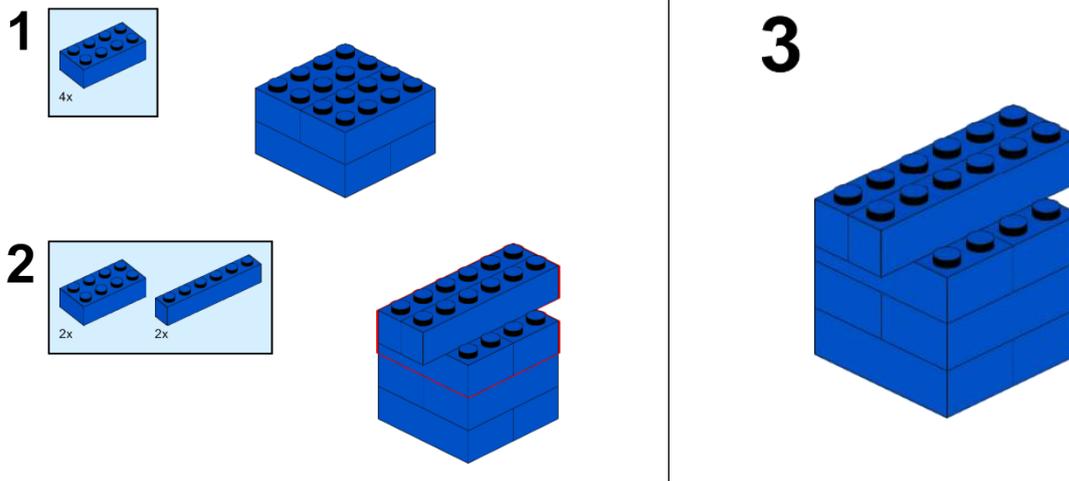
Elementary Surprise Rule

A dead wireless device (blue element) has been placed in the top left corner of the house roof tile (closest to the recycling area).

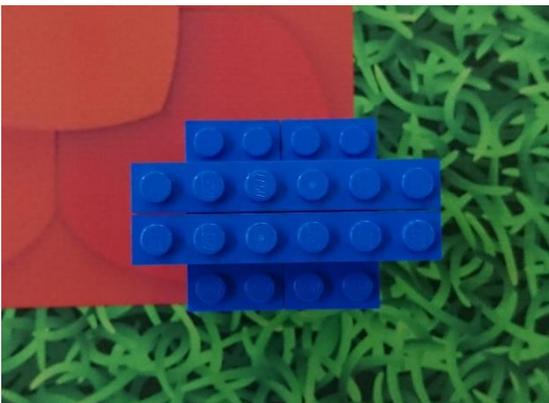
For **30 Bonus Points**, teams must collect this device and return it to the start/finish area. The device must be completely inside of the start finish area touching the game mat at the end of the run if these bonus points are to be scored. The device can be in any orientation as long as a part of it is touching the game mat and is completely inside of the start/finish area.

Teams must have scored positive points elsewhere on the mat before the surprise rules bonus points can be added.

Elementary Surprise Rule Building Instructions:



Elementary Surprise Rule Mat Placement:



The surprise rule element must be placed in the corner of the roof tile area closest to the Recycling Centre.



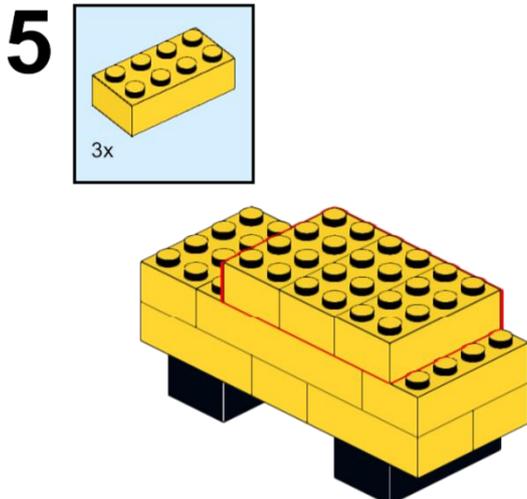
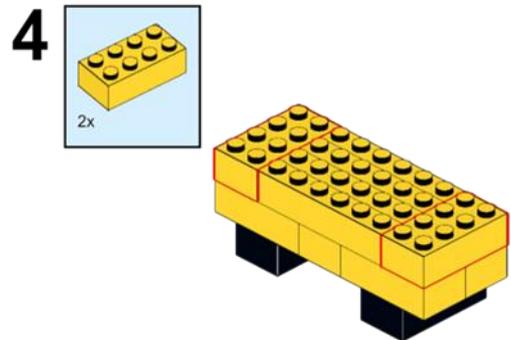
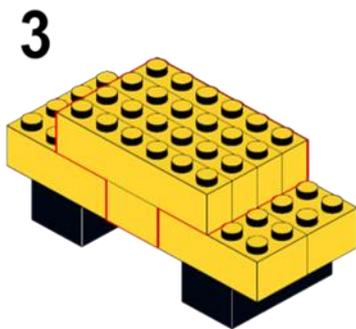
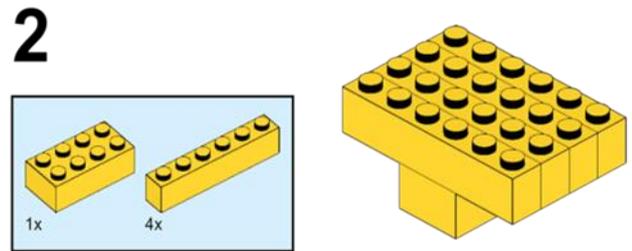
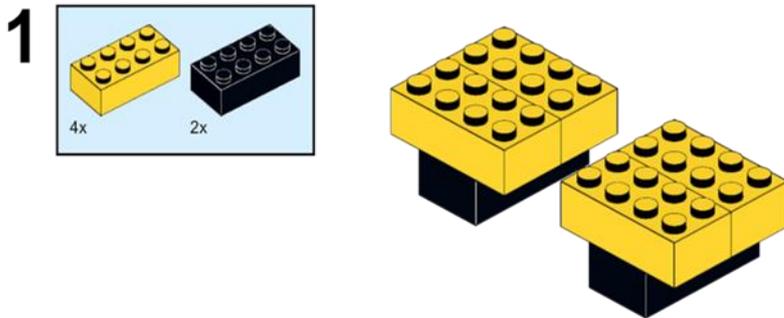
Junior Surprise Rule

A yellow construction vehicle has been placed on the parking circle furthest away from the start/finish area.

To score a **bonus 30 points** teams must collect this vehicle and place it in one (1) of the two (2) under construction parking bays marked by one of the two (2) barriers. Any part of the yellow vehicle must be touching the non-grey area in any one of these two areas for the 30 bonus points to be awarded.

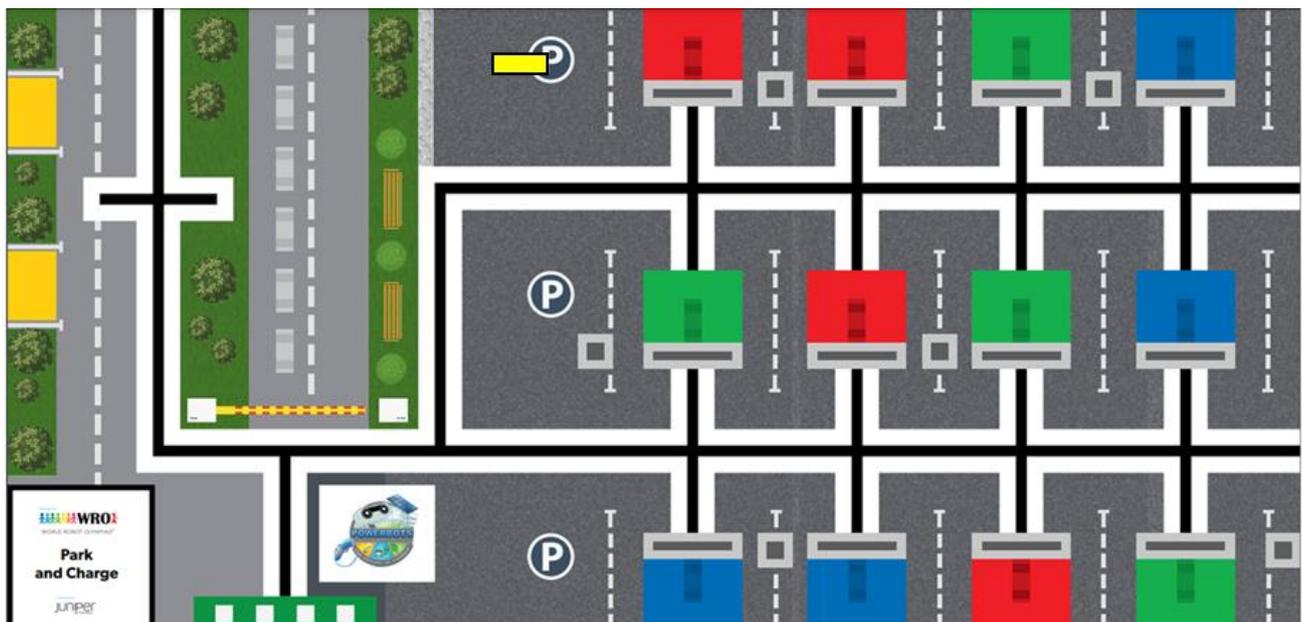
Teams must have scored positive points elsewhere on the mat before the surprise rules bonus points can be added.

Junior Surprise Rule Building Instructions:



Junior Surprise Rule Mat Placement:

The surprise rule element must be placed in the parking icon furthest away from the start/finish area. The car's back tires (black 2x4 brick) must be positioned completely inside of the tail end of the parking symbol (P) as per image A. The car faces away from the parking bays.



Senior Surprise Rule

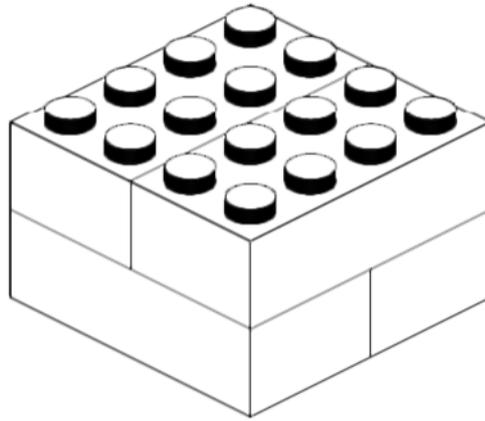
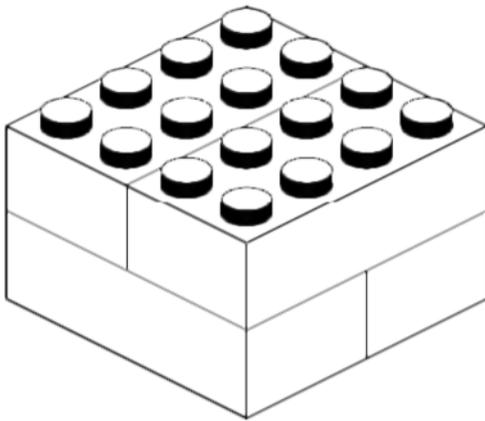
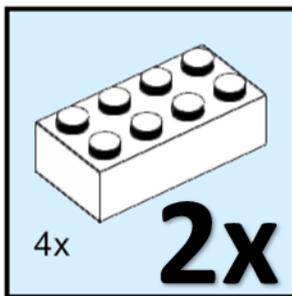
Two (2) white cubes have been placed in the two closest houses to the start/finish area.

Teams will be awarded 15 bonus points for each white cube brought back to the start/finish area totalling **30 possible bonus points**.

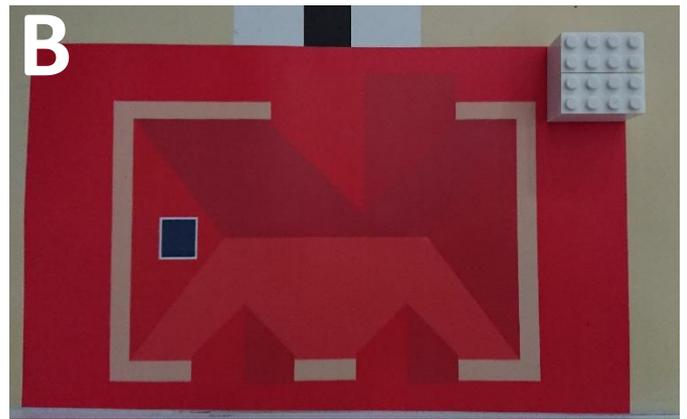
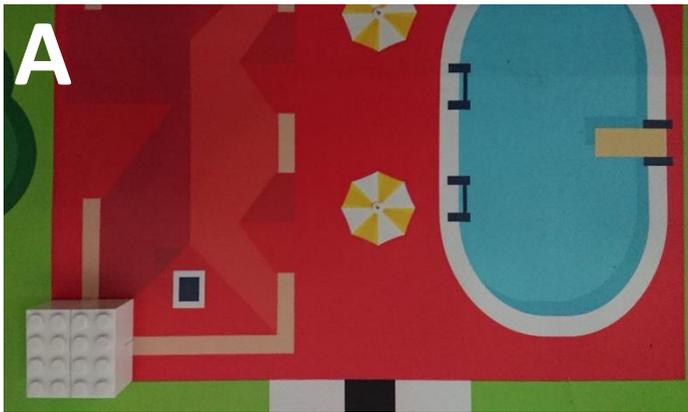
The white cubes must be completely inside of the start/finish area if points are to be awarded. The cubes can be in any orientation as long as part of the cube is touching the mat and the cube is not projecting out of the start/finish area.

Teams must have scored positive points elsewhere on the mat before the surprise rules bonus points can be added.

Senior Surprise Rule Building Instructions:



Senior Surprise Rule Mat Placement:



There are two surprise rule elements for the senior category one place in the house area with a pool as in image A and one in the house area closes to the solar panels as in image B.

